GUIDE G-1

ERCB

Publications, Maps and Services

Catalogue

1986

ERCB

Publications, Maps and Services

Catalogue

1986

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INTRODUCTION

ERCB Information Function

One of the functions of the Energy Resources Conservation Board is the recording and dissemenation of energy and energy resource information. Information is made available via publications, maps, computer files, Core Research Centre, and Records Centre. The catalogue includes an index of publications by resource, a company index, and a subject index.

Confidentiality

Some information is held confidential for up to one year (and in a few cases up to five years), before release for publication or examination. This applies mainly to data from operating mines, wells, and plants. Only non-confidential information is published in the Catalogue.

Effective Date of Prices

1 January 1986; subject to change.

Government of Canada Sales Tax

Included in all map prices and some publication prices, whenever applicable.

Publications

In the Catalogue, publications are arranged by type of publication. The categories are described as follows:

a) Serial Publications: include daily, weekly, monthly, quarterly, yearly statistical publications. Are issued regularly as serials.

ERCB + year + number (ERCB ST 85-15)

Note: ERCB ST 85-15 is a later edition of ERCB ST 84-15; the same material is updated.

A few numbered documents are found in this category which are not primarily statistical, but they have appeared or do appear on a regular basis.

b) Unnumbered Reports: includes a few Board reports that were not designated a number or letter.

c) Guides: includes guides, manuals, handbooks. These publications are denoted by a Guide number. (Guide G-1)

d) ERCB Reports: include inquiry, decision, technical reports. Are issued only once as unique document. All of the following represent ERCB reports:

1. OGCB + yr + number (OGCB 63-7)
2. OGCB + yr + letter (OGCB 69-D)
3. ERCB + yr + letter (ERCB 81-E)
4. ERCB + D + yr + letter (ERCB D 83-G)
5. ERCB + D + yr + number (ERCB D 84-1)

e) Non-ERCB Reports: The Board also makes available some publications which have been published by other organizations. These are directly related to matters of Board concern or have been contributed to by the Board.

INTRODUCTION

Format

The paper version of a publication will be available for two (2) calendar years following publication. After that, copies will be available on microfiche (diazo), 105 mm x 148 mm at $5. Each diazo contains 60 pages of printed material. The reduction ratio of filming is 24X, which means that readers or reader/printers with lenses from 17X to 27X can be used.

To access a complete set of Board documents, contact or visit:

ERCB Library
640 5 Avenue SW
Calgary, Alberta
Telephone 297-8242

Reprints

If there is sufficient demand, the Board will reprint reports in the paper version, but prices will be increased to reflect current costs.

How to Order Publications and Non-Subscription Maps

Include the following:

(a) your company name, address, and telephone number
(b) your personal name as authorization
(c) cheque, money order, or current ERCB account number
(d) publication name, year, number
(e) number of copies
(f) price (include postage and handling charge)
(g) if to be mailed or picked up

Calgary customers: please pick up orders from the Maps and Publications desk. Please allow two days for diazo orders.

Postage and Handling

All orders mailed or shipped are charged for postage and handling. All orders are sent airmail.

Canada and U.S.A.: add 20% to cost of order.
Overseas: add 30% to cost of order.

Order From

Maps and Publications
Energy Resources Conservation Board
640 5 Avenue SW
Calgary, Alberta
T2P 3G4
Telephone 297-8328

Subscriptions

Some serial publications, maps, microfiche files, and computer files are available on subscription.

New subscriptions begin on the first day of the month following the month in which the order is placed. Subscriptions are prorated according to the number of months the customer receives the subscription prior to 31 December. Subscriptions are automatically renewed at the relevant price commencing on 1 January of each year.

How to Order Subscriptions

Enclose cheque or money order in Canadian funds, payable to the Energy Resources Conservation Board.

Purchase orders, with your current ERCB account number, are also accepted.

INTRODUCTION

Postage and Handling

All orders mailed or shipped are charged for postage and handling. All orders are sent airmail.

Canada and U.S.A.: add 20% to cost of order.
Overseas: add 30% to cost of order.

Order From

Financial Accounting Department
Energy Resources Conservation Board
640 5 Avenue SW
Calgary, Alberta
T2P 3G4
Telephone 297-8371

or

Maps and Publications
Energy Resources Conservation Board
640 5 Avenue SW
Calgary, Alberta
T2P 3G4
Telephone 297-8328

PUBLICATIONS

ACTS AND REGULATIONS

Office Consolidations	ENERGY RESOURCES CONSERVATION ACT AND REGULATIONS	$ 5
	COAL CONSERVATION ACT AND COAL CONSERVATION REGULATIONS	$ 5
	GAS RESOURCES PRESERVATION ACT	$ 5
	HYDRO AND ELECTRIC ENERGY ACT AND REGULATIONS	$ 5
	OIL AND GAS CONSERVATION ACT AND OIL AND GAS CONSERVATION REGULATIONS	$ 5
	OIL SANDS CONSERVATION ACT AND REGULATIONS	$ 5
	PIPELINE ACT, SCHEDULE OF FORMS AND FEES, PIPELINE REGULATIONS	$ 5
	Note: Office consolidations have no legislative sanction; amendments are embodied only for convenience. The original Acts should be consulted for all purposes of interpreting and applying the law.	
	Printed on 8 1/2 inch by 11 inch, 3-hole punched paper.	
	INTERIM DIRECTIVES AND INFORMATIONAL LETTERS 1970 TO DATE	$ 5
	Includes all Interim Directives and Informational Letters that remain current to date.	
	Individual IL's and/or ID's	N/C
Order From	Maps and Publications Energy Resources Conservation Board 640 5 Avenue SW Calgary, Alberta Telephone 297-8328	
Published by Alberta Government Services	COAL CONSERVATION ACT AND AMENDMENTS TO SEP 1983	$ 1.00
	GAS RESOURCES PRESERVATION ACT AND REGULATIONS	$ 1.25
	OIL AND GAS CONSERVATION ACT AND AMENDMENTS TO NOV 1984	$ 2.00

ACTS AND REGULATIONS

OIL AND GAS CONSERVATION REGULATIONS (1985)	$ 3.50
PIPELINE ACT CHAPTER P-8 REVISED STATUTES OF ALBERTA, 1980 WITH AMENDMENTS IN FORCE AS OF 31 JULY 1985	$ 1.25
PIPELINE REGULATIONS (1983)	$ 1.25
QUARRIES REGULATION ACT	$ 0.50
TURNER VALLEY UNIT OPERATIONS ACT	$ 0.50
CLEAN AIR ACT AND CLEAN AIR REGULATIONS AND CLEAN WATER ACT AND CLEAN WATER REGULATIONS	$ 6.50
WATER RESOURCES ACT	$ 2.00
WATER RESOURCES AMENDMENT ACT (1984)	$ 0.50
LAND SURFACE CONSERVATION AND RECLAMATION ACT	$ 1.25
-REGULATED OIL AND GAS PIPELINE SURFACE OPERATION REGULATIONS	$ 0.50
-REGULATED OIL SANDS SURFACE OPERATION REGULATIONS	$ 0.50
-SECURITY DEPOSIT MINISTERIAL REGULATIONS	$ 0.50
-LAND CONSERVATION REGULATIONS	$ 0.50

Order From

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11510 Kingsway Avenue
Edmonton, Alberta
T5G 2Y5
Telephone 427-4952

or

Maps and Publications
Energy Resources Conservation Board
640 5 Avenue SW
Calgary, Alberta
T2P 3G4
Telephone 297-8328

ERCB SERIAL PUBLICATIONS

WELL LICENCES ISSUED, DAILY LIST

ERCB ST 85-1	Annual subscription:	
	Pick up from 8 am daily	$ 45
	Mailed daily	$180
	Individual year 1949 through 1984 (diazo)	$ 5

SI units
Lists well name, identifier, licence number, co-ordinates, field, rights, zone, ground elevation, Lahee classification, estimated total depth, drilling contractor, licensee and surveyor, for licences issued the previous day. One copy daily. Pick-up on honour system. Sign register once a month.

ALBERTA DRILLING PROGRESS AND PIPELINE RECEIPTS, WEEKLY REPORT

ERCB ST 85-2	Annual subscription	$170
ISSN 0227-3357	Single copy	$ 4
	Individual year (diazo)	$ 50

SI units
Summary of oil pipeline gathering operations; drilling activity, defined and undefined fields; release of geological markers; drill-stem test results; new licences and status changes. Issued every Friday for week ending previous Monday.

First published in 1950 as Alberta Petroleum Industry Weekly Report, then as Alberta Oil and Gas Industry Weekly Report; 1964 as Weekly Drilling Progress Report; 1967 as Weekly Production and Drilling Statistics, Alberta Oil and Gas Industry; 1980- as current title.

ALBERTA ENERGY RESOURCE INDUSTRIES, MONTHLY STATISTICS

ERCB ST 85-3	Annual subscription	$ 30
ISSN 0710-6874	Single copy	$ 3
	Individual year (diazo)	$ 20

SI units
Supply and disposition of crude oil, natural gas, gas plant products, coal, electric energy; comparison with previous year for months and cumulative year to month-end; activity data. Issued six weeks after month-end.

First published in 1938 as Alberta Oil Production; title varies; 1950 as Alberta Oil and Gas Industry Monthly Report; 1964 as Monthly Statistics, Alberta Oil and Gas Industry; 1972 as Summary of Monthly Statistics, Alberta Energy Resource Industries; 1977 as Monthly Statistics, Alberta Energy Resource Industries; 1980- as current title.

PSU, BLOCK, AND PROJECT APPROVALS, MONTHLY UPDATE

ERCB ST 85-5	Original set	$ 55
	Annual subscription, issued monthly	$ 75
	Single copy	$ 8

Appendix issued to each operator of a production spacing unit, block, or project; includes name, effective date, minimum allowance, effective area, and a legal description of each PSU. 3-hole punched.

First published in 1965 as Appendix to PSU, Block or Project Approval Summary; 1980- as current title.

ERCB SERIAL PUBLICATIONS

FLUID ANALYSES

ERCB ST 85-6
ISSN 0710-6904

SI units
Approximately 210 000 non-confidential analyses of oil, gas and water on diazo; current to October 31, 1985.

Complete set plus indices by field and by well:	$350
Partial sets by type, including indices: - Oil	$145
- Gas	$170
- Water	$195
Updating service: Annual subscription issued monthly	$200

Note: Cost of update service is the same for complete or partial sets.

OIL AND GAS UNITS, QUARTERLY UPDATE

ERCB ST 85-7	Complete set	$ 20
	Annual subscription, quarterly amendments	$ 20

Official unit name, list of all working owners, and percentage participation; plan of unitized area; operator; first effective and latest revision dates.

ALBERTA WELL PRODUCTION AND INJECTION RECORD

ERCB ST 85-8	Annual subscription, issued monthly on COM-microfiche	$700
	Each additional subscription	$350
	Year-end only	$350

SI units
Quarter month includes production and injection monthly data from January 1962 with annual and cumulative totals to date; non-quarter month includes current month's production and injection data; second non-quarter month also includes previous month's data. Issued 6 weeks after end of data month.

SUBSURFACE PRESSURE DATA, QUARTERLY UPDATE

ERCB ST 85-9	Annual subscription, issued quarterly	$ 65
	Individual year Mar 1978 through Sep 1985 (diazo)	$ 3

SI units
Non-confidential pressures for calendar year; tabulated pressure data to established datum depth of pool; pressure readings not projected to static.

ERCB SERIAL PUBLICATIONS

RESERVOIR PERFORMANCE CHARTS, OIL POOLS

ERCB ST 85-10 — Issued annually
ISSN 0704-3333 — as at Dec 31 in 2 volumes — $ 75
Individual year (diazo) — $ 3

SI units
Data for current 15 years by quarters; average gas-oil and water-oil ratios; static bottom hole pressure, number of wells capable of production, daily average oil production, cumulative oil production, daily average water injection and disposal, cumulative water injection and disposal, daily average gas injection, cumulative gas injection. Also includes Alberta daily average oil production from 1950 to 1983 charted by month.

Cerlox bound.

RESERVOIR PERFORMANCE CHARTS, GAS POOLS

ERCB ST 85-11 — Issued annually
ISSN 0704-3341 — as at Dec 31 in 2 volumes — $ 75
Individual year (diazo) — $ 3

SI units
Data for current 15 years by quarters; index of pools; number of wells capable of production; cumulative and average daily gas production; static bottom hole pressure; cumulative data for: gas injected, marketable gas for sale or reinjection, water production; graph of total Alberta production and disposition, 1948-1984 inclusive. Cerlox bound.

REPORT OF THE OPERATIONS OF THE OIL AND GAS CONSERVATION BOARD

ERCB-12 — Individual year (diazo) — $ 3

ALBERTA GAS PLANT STATISTICS TO DECEMBER 31

ERCB ST 85-13A — $150

SI units
Location, operator; fields served; plant process, maximum design capacity and residue gas purchaser; active plant operation histories; daily averages for raw gas receipts, marketable gas deliveries, derivative products and sulphur. Contained in five binders.

ALBERTA GAS PLANT STATISTICS, MONTHLY SUPPLEMENT

ERCB ST 85-13B — Annual subscription — $ 50
ISSN 0706-1455 — Single copy — $ 4
Individual year (diazo) — $ 6

SI units
Monthly details; plant operations; gas receipts and disposition; production of gas plant products.
Annual subscription includes update for 13A.

First published as Gas Plant Performance Charts; 1972- as current title.

ERCB SERIAL PUBLICATIONS

SCHEDULE OF WELLS DRILLED FOR OIL AND GAS IN ALBERTA

ERCB ST 85-14 Issued annually
ISSN 0380-4305 as at Dec 31 on COM-microfiche $500

SI units
Contains well data as follows:

1. For all wells classified as non-confidential: unique identifier, licence number, bottom hole co-ordinates, surface hole co-ordinates, well name, field/oil sands area, pool/oil sands deposit, Lahee classification, ground elevation, Kelly bushing elevation, spud date, finish drilling date, contractor and rig number (from June 1984), total depth, well status, casing details (size and depth), logs (type and interval), perforations and treatments, drill-stem tests, tops and markers (conventional and TVD).

2. For all wells classified as confidential: unique identifier, licence number, bottom hole co-ordinates, surface hole co-ordinates, well name, field/oil sands area, pool/oil sands deposit, Lahee classification, ground elevation, Kelly bushing elevation, spud date, finish drilling date, contractor and rig number, total depth, well status, casing details (size and depth).

On COM-microfiche in order of location: east to west by township; total replacement issued each year; previously published annually in hard copy form listing only data added since last publication.

Hard-copy issue still available: 1949 - $10

ALBERTA OIL AND GAS CONSERVATION SCHEMES

ERCB ST 85-15 Issued annually as at Dec 31 $ 25
ISSN 0709-5902 Individual year (diazo) $ 3

SI units
Summary of data on fluid injection; maps of major oil projects.

Oil Projects - field; pool; operator; pool project number; number of production and injection wells; current annual and cumulative production and injection; cumulative replacement ratio; current water-oil and gas-oil ratios.

Gas Schemes - field; formation; operator; productive acreage; commencement year; solution gas produced and conserved for current year; residue gas purchaser.

First published in 1962 as Summary of Units and Conservation Schemes; title varies; 1968 as Oil Conservation Projects and Gas Conservation Schemes, Province of Alberta; 1979- as current title.

ALBERTA POOL PRODUCTION AND INJECTION RECORD

ERCB ST 85-16 Annual subscription, issued quarterly on COM-microfiche $180
Each additional subscription $120
Year-end only $120

SI units
Monthly totals and cumulative data for all producing and injecting pools since 1962; amended quarterly for field extensions and pool consolidations; designated name of field and pool; oil, gas, and water production; average oil and gas per day, average water-oil or gas-oil ratio; water disposal and injection of fluids.

ERCB SERIAL PUBLICATIONS

ALBERTA POOL PRODUCTION AND INJECTION, MONTHLY SUPPLEMENT

ERCB ST 85-16A	Annual subscription	$ 35
ISSN 0702-3286	Single copy	$ 4
	Subscribers to ERCB-16	N/C
	Individual year (diazo)	$ 12

SI units
Monthly production and injection totals by field and pool and for province; well count semi-annually by field pool and type of well for capable and operating wells.

First published in 1972.

ALBERTA OIL & GAS INDUSTRY, ANNUAL STATISTICS

ERCB ST 85-17	Issued annually as at Dec 31	$ 15
ISSN 0706-1439	Individual year (diazo)	$ 3

SI units
Monthly statistics for year, and yearly for 10 years of crude oil and equivalent, gas, refinery products, NGL mixes, ethane, propane, butanes, raw material and fuel, refined products, and sulphur; provincial supply and disposition tables of production, inventories and markets; marketable gas withdrawals to December 31; current and historical statements of capable oil, gas, and service wells in major fields; current and historical drilling activity by Lahee classification. Does not list statistics for every field and pool.

First published in 1941 as Alberta Petroleum Industry; 1951 as Alberta Oil and Gas Industry; title varies; 1964 as Cumulative Annual Statistics, Alberta Oil and Gas Industry; title varies; 1975 as Alberta Oil and Gas Industry, Cumulative and Annual Statistics; 1979- as current title.

ALBERTA'S RESERVES OF CRUDE OIL, GAS, NATURAL GAS LIQUIDS, AND SULPHUR

ERCB ST 85-18	Issued annually as at Dec 31	$ 50
ISSN 0706-3199	Individual year (diazo)	$ 3

SI units
Terminology and abbreviations; estimates of established reserves by pool and area for crude oil, synthetic crude oil, gas, ethane, natural gas liquids, and sulphur; pool average rock and fluid basic data and recovery factors; ultimate potential of conventional crude oil, synthetic crude oil, gas, ethane, natural gas liquids, and sulphur. Data on trends in initial and remaining established reserves of conventional crude oil and marketable gas. Map of crude oil fields, gas fields and strike areas, and oil sands deposits. Map may be purchased separately; see page 60.

First published in 1950 as Natural Gas Reserves, Province of Alberta; 1960 as Reserves of Natural Gas, Natural Gas Liquids, and Crude Oil, Province of Alberta; 1963 as Reserves of Crude Oil, Gas, Natural Gas Liquids and Sulphur, Province of Alberta; 1978- as current title.

Some back issues still available in hard copy.

PRESSURE-DEPTH AND TEMPERATURE-DEPTH RELATIONSHIPS ALBERTA CRUDE OIL POOLS

ERCB-22	Individual year 1965, 1967, 1970 (diazo)	$ 3

ERCB SERIAL PUBLICATIONS

ACID GAS CONTENT OF ALBERTA NATURAL GASES

ERCB-23	Individual year 1968, 1971, 1974 (diazo)	$ 3

OIL PRORATION DATA

ERCB ST 85-24	Annual subscription, issued monthly	$ 55
	Single copy	$ 5
	Individual year Jan 1982 through Nov 1985 (diazo)	$ 5

SI units
Information on each non-confidential prorated crude oil pool with provincial totals: initial established reserves; 1/2 cumulative production; proratable reserves; reserves allocation; adjusted pool allocation; productive area by pool, pool type, and recovery mechanism; expected production by pool and pool type. Information for pools without provincial totals: incapability factor; pool and type performance factor; weighted allocation per hectare; pool well minimum allowance. Provincial totals only for: proratable and adjusted proratable demand; demand adjustment factor; allocation factor. Available after issue of monthly Market Demand Order and its amendments.

First published in 1968.

HELIUM AND HYDROGEN SURVEY

ERCB-25	Individual year 1968, 1970, 1971, 1972, 1973 (diazo)	$ 3

ALBERTA COAL INDUSTRY, MONTHLY STATISTICS

ERCB ST 85-26	Annual subscription	$ 15
ISSN 0710-6882	Single copy	$ 2
	Individual year (diazo)	$ 3

SI units
Coal production by type of mine; processing by plant; disposition of coal and coal products by type; inventory changes and market.

First published in 1972, as Monthly Statistics, Alberta Coal Industry; 1980- as current title.

ALBERTA ELECTRIC INDUSTRY, MONTHLY STATISTICS

ERCB ST 85-27	Annual subscription	$ 15
ISSN 0710-6890	Single copy	$ 2
	Individual year (diazo)	$ 3

SI units
Energy generation by thermal and hydroelectric plants; fuel consumption and conversion efficiency of thermal plants; generation and fuel consumption of isolated utility plants; generation interchanges and distribution; deliveries to ultimate customers by type of account.

First published in 1972 as Monthly Statistics, Alberta Electric Energy Industry; 1980- as current title.

ERCB SERIAL PUBLICATIONS

ALBERTA ELECTRIC INDUSTRY, ANNUAL STATISTICS

ERCB ST 85-28 Issued annually as at Dec 31 $ 15
ISSN 0706-1420 Individual year (diazo) $ 3

SI units
Capacity and generation of major power plants by unit, type, and energy resource; generating units approved for construction as of 31 December 1984; industrial plant on-site generating capacity and generation; wind-powered electric generators; energy resource consumption and energy conversion efficiency of thermal power plants; details of net peak generation and load by utility operator and for the Alberta interconnected system; generation, peak demand and capacity for the Alberta interconnected system, 1974-1984; summary of electric energy generation, interchange, consumption and distribution; electric energy distribution to ultimate customers; major transmission line additions, summary of circuit kilometres of transmission and distribution lines; 58 cm x 92 cm colour map of Alberta showing major generating plants and transmission line system; 58 cm x 80 cm colour map of Edmonton, Red Deer and Calgary areas showing major generating plants and transmission line system.

Maps may be purchased separately for $4 each. See page 68.

First published in 1972 as Cumulative Annual Statistics, Alberta Electric Industry; 1979- as current title.

ALBERTA COAL INDUSTRY, ANNUAL STATISTICS

ERCB ST 85-29 Issued annually as at Dec 31 $ 15
ISSN 0380-4321 Individual year (diazo) $ 3

Monthly statistics for year, and yearly for ten years of subbituminous and bituminous coal; coal exploration for 1983 and 1984; production, supply and disposition of coal and coal products; plant operations; inventories.

First published in 1973 as Cumulative Annual Statistics, Alberta Coal Industry; 1975- as current title.

OIL SANDS WELL DATA

ERCB ST 85-30A $100

Printed copy of oil sands evaluation well data in card file format (4 card images per sheet) for all non-confidential OV wells drilled (released) within a certain time period not exceeding the last 2 years.

ERCB ST 85-30B $400

Printed copy of oil sands evaluation well data in card file format (4 card images per sheet) for all non-confidential OV wells drilled in Alberta.

Note: ERCB ST 85-30A is a replacement to the update service to the Oil Sands Well Data Card File.

ERCB ST 85-30B is a replacement of the Oil Sands Well Data Card File (historical).

All oil sand wells are now included in the General Well Data file and the well data is published and available in the same manner as data for other wells.

ERCB SERIAL PUBLICATIONS

RESERVES OF COAL, PROVINCE OF ALBERTA

ERCB ST 85-31	Issued annually as at Dec 31	$ 25
ISSN 0380-4275	Individual year (diazo)	$ 3

SI units
Designates coal fields and coal deposits in Alberta; contains detailed tabulation by fields and deposits of established reserves, and of reserves within mine permit boundaries; ultimate potentials by region, summarizes surface-mineable coal reserves in the Plains region by strip ratio; includes sections on the geology and distribution of coal in Alberta and the distribution of reserves contained in the land categories defined in "A Coal Development Policy for Alberta"; discusses reserves terminology and details of the determination of established reserves; maps included are of Coal in Alberta (south half), Coal in Alberta (north half), and major coal-bearing formations.

Maps listed above may be purchased separately. See page 62.

9th Edition (latest edition)
(Originally 74-E, Review of the Alberta Coal Industry, 1973).

ALBERTA'S ENERGY RESOURCES, A SUMMARY

ERCB ST 85-32	Issued annually as at Dec 31	$ 5
ISSN 0706-1412	Individual year (diazo)	$ 3

SI units
A report containing 16 pages of text plus 4 bar charts, summarizing Alberta's ultimate potential and remaining established reserves of energy resources as at December 31, 1984, for the following: crude oil, synthetic crude oil, and pentanes plus; propane and butanes; gas; coal; hydroelectric energy. Includes statistics on thermal energy content of energy resources, remaining ultimate potential and remaining established reserves in terms of crude-oil equivalence, gas equivalence, coal equivalence.

First published in 1973 as Energy Resources of Alberta, A Summary; 1976- as current title.

Some back issues still available in hard copy.

A GRAPHICAL SUMMARY OF THE ULTIMATE AND PROVED RECOVERABLE RESERVES OF GAS, ETHANE, PROPANE, BUTANES AND CONVENTIONAL CRUDE OIL AND PENTANES PLUS, AND THEIR RELATIONSHIP TO ALBERTA'S REQUIREMENTS

ERCB-33	Individual year 1974 (diazo)	$ 3

ALBERTA'S RESERVES OF GAS, COMPLETE LISTING

ERCB ST 85-35	Issued annually as at Dec 31	
ISSN 0229-8546	Complete listing in 4 volumes	$100
	Magnetic tape	$700
	Individual year (diazo)	$ 9

SI units
Contains an expansion of the reserves data reported in ERCB ST 85-18, with individual estimates and reservoir factors by pools and areas of all non-confidential established gas reserves.

First published in 1979.

ERCB SERIAL PUBLICATIONS

CONSERVATION IN ALBERTA

ERCB-36
ISSN 0380-4496

Issued annually as at 31 Dec 1967 to 1981
Individual year (diazo) — N/C $ 3

This publication highlights the status of Alberta's energy resources and their conservation and the activities of the ERCB annually during the period 1967 to 1982. Each issue contained a feature article.

1966 - the need for conservation
1967 - the need for conservation
1968 - conservation - some problems and solutions
1968 - conservation and pollution
1970 - technical proficiency
1971 - a new name and an expanded role for the Board
1972 - responsibilities of the Board
1973 - impact of higher prices on the physical recovery of natural gas
1974 - public safety in the drilling operation and abandonment of oil and gas wells
1975 - rural gas program - the Board's role
1976 - petrochemicals in Alberta
1977 - occurrence and reserves in Alberta's fossil energy resources
1978 - we are going metric
1979 - the ERCB hearing process
1980 - rights of the public and energy developers
1981 - the ERCB - a source of information

The following regular sections were included:

- responsibilities of the Board
- production, delivery, and reserves* of energy resources and sulphur
- enhanced recovery of crude oil
- conservation of solution gas
- summary of Board objectives
- activity highlights
- expenditure and revenue

* Most reserve values are preliminary year-end estimates.

Note: This publication has been superseded by ERCB-40 "Energy Alberta", page 18.

Some back issues still available in hard copy.

LIST OF WELLS IN ALBERTA

ERCB ST 85-37

Annual subscription, issued quarterly — $240
Single copy — $ 90

ERCB-37 is produced only on COM-microfiche
(For magnetic tape file, refer to page 78)

For all oil and gas wells drilled: identifier, well name, field, pool and operator codes, licensee, total depth, status, and finished drilling date; in order of location east to west by township.

ERCB SERIAL PUBLICATIONS

ATLAS OF ALBERTA'S CRUDE BITUMEN RESERVES

ERCB ST 85-38	as at Dec 31 1984	$ 10
	Individual year 1980, 1981, 1984 (diazo)	$ 3

A reserves report concerning maps utilized to determine the in-place volumes of crude bitumen in the Athabasca, Cold Lake, and Peace River oil sands deposits for the 1984 reserves publication (ERCB ST 85-18).

New in this edition is an update of the Athabasca, Cold Lake, and Peace River oil sands deposits and maps showing features of the Athabasca Wabiskaw-McMurray surface mineable area. Also included are reserves data for the Athabasca Nisku deposit and the Peace River, Shunda, Upper Debolt, and Lower Debolt deposits, together with supporting maps.

Some back issues still available in hard copy.

ALBERTA OIL SANDS PLANT STATISTICS MONTHLY SUPPLEMENT

ERCB ST 85-39	Annual subscription	$ 15
ISSN 0822-1499	Single copy	$ 2
	Individual year Jan 1983 through Jul 1985 (diazo)	$ 3

Report contains Suncor and Syncrude oil sands production and processing, purchased and generated gas and electric energy, inventories and production of synthetic crude oil, intermediates and products, plant uses and deliveries.

ENERGY ALBERTA

ERCB 85-40	Issued annually as at Dec 31	N/C
ISSN 0825-1525	Individual year (diazo)	$ 3

This publication is the third in a series of annual reports which provides details of the current status and anticipated future trends of Alberta's energy industry. "Energy Alberta" is a non-technical report written for public readership. Alberta's sources of energy - coal, oil, natural gas, oil sands, hydro and electric generation - are reviewed in the colourful, 36-page easy-to-read publication. There are also explanations of how each resource fits into the overall Alberta energy stream. The report also details the revenues and benefits gained from Alberta's energy resources and looks into the future of those resources in the year 2000.

Energy Alberta concludes with a brief review of the ERCB's role in the regulation of Alberta's energy resources, its operations and expenditure, and its roles in energy education through the work of its unique energy museum, known as The Energeum.

First published in 1983 (1982 year-end data).

Some back issues still available in hard copy.

NUMBERED DECISION REPORTS

ERCB-42	Annual subscription	$135
	Single copy	$ 5

Includes numbered Decision reports; plus index* of year's Decision reports, issued following year-end.

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* Complete index available separately from Maps and Publications Department at no charge.

ERCB SERIAL PUBLICATIONS

ALBERTA OIL SANDS ANNUAL STATISTICS

ERCB ST 85-43 Issued annually as at Dec 31 — $ 15
ISSN 0827-3731

Contains Suncor and Syncrude oil sands plants production and processing for years 1967 to 1984; inventories, production, deliveries, and other use of synthetic crude oil, other hydrocarbons, coke, sulphur, bitumen, distillate by month for 1984, year total for 1967-1974, and by year for 1975-1983.

ACTIVE PROJECTS, ALBERTA MONTHLY LISTING

ERCB ST 85-44 Annual subscription — $ 15
ISSN 0827-374X Single copy — $ 2

Monthly listing of experimental and commercial oil sands and heavy oil schemes. List shows approval number, effective date and expiry date of approval, operator of scheme, geological formation, field or area, location of scheme, recovery method.

COAL MINE ATLAS
OPERATING AND ABANDONED COAL MINES IN ALBERTA

ERCB 85-45 Sept 1985 — $ 25

A report containing maps and tables of coal mines in Alberta. This atlas is intended to be a help in finding locations of specific mines or for checking for the presence of mines in specific areas. The atlas is also a guide to mine names, mine owners, production figures, lifespans, etc. Includes 419 township maps showing location, type, and size of mines, locations of all current ERCB mine permits and licences; 42 pages of tables containing data on over 1800 mines; a list of mine locations in numerical order; a list of currently permitted mines.

WELL DRILLING SUMMARY REPORT
EVENTS OF 1984

ERCB ST 85-46 Oct 1985 — $ 10

This preliminary report is primarily a statistical report covering three areas:

1. wells licensed and drilled
2. drilling rig inspections
3. drilling occurrences

ERCB UNNUMBERED REPORTS

OLD OIL ENTITIES

For information only; subject to interpretation of Petroleum Royalty Regulations.

Index:
Lists G-Order plats for designated pools defining old oil entities;
Undefined pools and G-Order plats:
Approximately 580 for indexed fields and pools
Loose sheets, 3-hole punched $ 15

Also available as follows: - 12 diazos $ 5
- 1 roll microfilm $ 12.50

OLD GAS ENTITIES

For information only; subject to interpretation of Natural Gas Royalty Regulations.

Index:
Lists pools defined as old gas entities and Old Gas Entity Plats:
Approximately 560 for pools and fields indexed
Loose sheets, 3-hole punched $ 15

Also available as follows: - 11 diazos $ 5
- 1 roll microfilm $ 12.50

BLOWOUT PREVENTION REVIEW COMMITTEE (BPRC) PROGRESS REPORTS

Deal with progress to date of the Blowout Prevention Review Committee (BPRC) formed as a result of ERCB Decision D 84-5 (Lodgepole Phase 2 Report). N/C

PIPELINE FAILURE INQUIRY MILL WOODS AREA - EDMONTON

Decision Report Jul 1979 N/C

An inquiry held to determine causes of the break, measures to prevent a recurrence, procedures for handling events of this type; the Board issued a report containing recommendations and commitment for a progress report at the end of one year.

PIPELINE FAILURE INQUIRY MILL WOODS AREA - EDMONTON POST-INQUIRY PROGRESS REVIEW

Sep 1980 (diazo only) N/C

Summary of progress over past year, introduction and consolidation of Board recommendations from inquiry Decision Report (1979), discussion of recommendations, and appendices: summary of proposed amendments and pipeline legislation, terms of reference for Mill Woods pipeline relocation study, conclusions and recommendations from Mill Woods pipeline relocation study.

ERCB UNNUMBERED REPORTS

MULTIPLE-PUFF ATMOSPHERIC DISPERSION MODEL, PROGRAM PSI0210

Source code and user guide	$ 50
User guide only	24

Versatile model to study dispersion phenomena caused by pipeline rupture or other non-steady-state source of a gaseous pollutant; theoretical basis is the Gaussian puff kernel solution to the linear diffusion problem in 3 dimensions; boundary condition at ground level assumes complete reflection (mirror image); program features virtual source, vertical wind speed profile, variable release height,[3] and automatic scale selection; source code in FORTRAN IV.

BOTTOM HOLE (BHOLE) PRESSURES IN GAS WELLS

Source code and user guide	$ 50
User guide only	$ 24

This program converts static and flowing wellhead pressures to corresponding bottom hole pressures; bottom hole pressures are calculated by the method of Cullender and Smith (1956), as modified by Aziz (1967A). The modification involves usage of a one-step, third-order numerical integration scheme instead of Simpson's rule; FORTRAN IV.

PRE-NORP OIL ENTITIES

Feb 1983 — $ 25

For informational purposes in determining eligibility of production from oil wells in Alberta for the New Oil Reference Price (NORP). Identifies "Pre-NORP oil entities" pursuant to "Memorandum of Agreement Between the Government of Canada and the Government of Alberta, Relating to Energy Pricing and Taxation" and Dept. of Energy and Natural Resources Informational Letters 81-8 and 81-10.

Includes index of pre-NORP oil entities, pre-NORP oil entity plats. Both index and plats will be available on diazo at a later date.

PRE-NORP PENTANES PLUS ENTITIES

Apr 1982 — $ 25

For the purpose of defining boundaries of pre-NORP pentanes plus entities pursuant to Department of Energy and Natural Resources Informational Letter 82-4. Will assist in determining eligibility of pentanes plus production for the New Oil Reference Price (NORP).

Includes index of pre-NORP pentanes plus entities, pre-NORP pentanes plus entity plats. Both index and plats will be available on diazo at a later date.

ERCB UNNUMBERED REPORTS

G ORDER (POOL) BOUNDARIES

Jul 1985	
Microfiche	$ 75
Index	N/C
Individual G Order	$ 3
Plus copies	$ 0.30

The Provincial Government recently announced a new incentive program for certain new crude oil wells and new deep natural gas wells. At the request of Alberta Energy and Natural Resources (AE & NR) and for the crude oil royalty holiday program, the Board has prepared an index of crude oil pools with corresponding G orders which define the crude oil pool boundaries as of 1 June 1985. These G orders were referenced in AE & NR Information Letter 85-26 which provides information concerning elegibility for the new incentive program. Similarly, for the deep gas royalty holiday program, the Board has prepared an index of existing deep gas pools and applicable G orders which define boundaries for these pools as of 1 June 1985. These G orders were referenced in AE & NR Information Letter 85-29.

ENERFAX

Oct 1985 N/C

Enerfax is a new series of factsheets about the ERCB and its activities.

The factsheets are intended as a general introduction for non-technical readers. Five factsheets have been published:

1. What Is the Energy Resources Conservation Board?
2. Having Your Say at an ERCB Public Hearing
3. Inspection and Enforcement in Energy Development in Alberta
4. Finding Out! - Publications Available from the ERCB
5. The Lindbergh Oil Sands Area

HEAVY METAL AND ORGANIC CONTAMINATION AT THE PINCHER CREEK GAS PLANT

Mar 1984 N/C

A three-section report by ERCB staff members H. F. Thimm and D. R. Shaw. Section 1 - Heavy Metal and Organic Contamination at the Pincher Creek Gas Plant An Interpretation; Section 2 - Evaluation of the ERCB Interpretation of the Pincher Creek Gas Plant Reports; Section 3 - Clarifying Comments.

GUIDES

PUBLICATIONS, MAPS AND SERVICES CATALOGUE

Guide G-1 ISSN 0702-3510	Issued annually as at Dec 31 (paper or diazo)	N/C

HOW TO APPLY FOR GOVERNMENT APPROVAL OF COAL PROJECTS IN ALBERTA

Guide G-2	Aug 1981 (2nd Edition)	$ 22
	Previous edition 1978 (diazo)	$ 3

Provincial legislation for coal exploration, development, and processing; preliminary and public disclosures; what to include in an application for approval of coal mining activity; application and reports; coal royalties and taxes; guidelines on environmental protection and reclamation; guidelines on cost-benefit, social impact and historical resources impact assessments.

Note: Revision package (Aug. 1983) is available free of charge to holders of Aug. 1981 edition of G-2.

GAS WELL TESTING, THEORY AND PRACTICE

Guide G-3	4th edition Sep 1979 (SI version of 3rd edition)	$ 30
	Individual year (diazo)	$ 3

Theoretical principles; design and interpretation of deliverability, drawdown, and build-up tests; estimates of reservoir parameters and flow behaviour from limited data; field conducting and reporting of tests; gas properties; calculation of bottom-hole pressures from wellhead measurements; regulations and report forms. Revisions for fourth edition include metrication, minor technical additions, and clarifications; appendices cover gas properties, calculation of bottom-hole from top-hole pressures, and Alberta regulations and reporting forms.

First edition OGCB 64-2; Second edition OGCB 65-10; Third edition ERCB 75-34.

Note: Price to universities, technical schools, students and staff is $20.

DETERMINING WATER PRODUCTION AT GAS WELLS

Guide G-4	Jul 1985 (3rd edition) (paper or diazo)	N/C
	Previous editions 1978 and 1982 (diazo)	N/C

Defines categories of water production and outlines criteria for conducting water-gas ratio tests. Sample calculations and reporting procedures are included.

GUIDES

CALCULATING SUBSURFACE PRESSURE VIA FLUID-LEVEL RECORDERS

Guide G-5 Dec 1978 $ 2

SI units
Preparation of well and sonic instruments prior to survey; acquisition and interpretation of chart data; calculation of subsurface pressure; graphic guides.

See Maps section, page 68.

Originally published as ERCB 74-S.

INDEX OF BOARD ORDERS, MONTHLY UPDATE

Guide G-6

Complete set	$ 40
Annual subscription, monthly update	$ 40

Lists all existing oil- and gas-related orders and approvals by field and area; type of order and number; effective date. See actual order or approval for full details.

PRODUCTION ACCOUNTING HANDBOOK

Guide G-7

Complete handbook (includes Allowables Section)	$ 15
Allowables section only	$ 5
First copy to operator	N/C
Amendments (to Guide-holders)	N/C

SI edition
Complete Guide is in two parts:

1. Instructions regarding the reporting of production or injection and the disposition of production or injection. This includes detailed instructions for the completion of the following ERCB forms:

S-1	S-4	S-10	S-20
S-2	S-7	S-15	S-21
	S-8	S-18	S-30

2. Allowables Section - Instructions regarding the calculation of oil and gas well allowables in accordance with the oil and gas conservation regulations.

SURFACE CASING MINIMUM REQUIREMENTS AND EXEMPTIONS

Guide G-8 Nov 1984 (paper or diazo) N/C

Includes introduction, regulations, method of determining minimum depth of surface casing, and exemptions from regulations.

CASING CEMENTING MINIMUM REQUIREMENTS

Guide G-9 Feb 1984 (paper or diazo) N/C

GUIDES

GUIDE TO MINIMUM CASING DESIGN REQUIREMENTS

Guide G-10 — Jan 1979 (paper or diazo) — N/C

MINIMUM REQUIREMENTS FOR BLOW-OUT PREVENTION EQUIPMENT

Guide G-11 — Dec 1976 (diazo) — N/C

See Part 8 of Oil & Gas Conservation Act for current guidelines.

PLANNING, CONDUCTING, AND REPORTING SUBSURFACE PRESSURE TESTS

Guide G-12 — Dec 1978 (paper or diazo) — N/C

SI units
Board policies and requirements relative to the design, implementation, analysis, and reporting of subsurface pressure tests.

Originally published as ERCB 74-T.

PIPELINE INFORMATION SYSTEM USER'S MANUAL

Guide G-13 — 1st edition, May 1976 — $ 5

Details of requirements for permits and licences under The Pipeline Act, 1975; detailed explanation of the new application form; includes addendum for SI units published January 1979; addendum available separately at no charge; Parts 5 and 6 revised, Sep 1980.

PVT AND CORE STUDIES INDEX

Guide G-14 — Issued annually as at Dec 31 — $ 5
Individual year 1981, 1982 and 1983 (diazo) — $ 3

A revised index of PVT analyses, special PVT studies, and special core studies presently filed at the Board's Records Centre. This supersedes the December, 1983 index, and includes those analyses received by the Board to the end of December, 1984.

The index is comprised of three sections: conventional PVT analyses, special PVT studies, and special core studies. The entries within each section are listed in alphabetic sequence by abbreviated pool name (formation identification) and field name, and by unique well identifier.

Please note that one year must elapse from the date of analyses shown for each report before information from the report may be released. As a result, the data from some analyses listed is still confidential.

EFFECT OF TENSILE LOADING ON CASING COLLAPSE

Guide G-15 — Feb 1983 (paper or diazo) — N/C

GUIDES

THE ERCB PUBLIC HEARING PROCESS

Guide G-16 Jan 1980 (paper or diazo) N/C

Topics covered include notice; hearing: what's involved, purposes, hearing panel, conduct of hearing; applications to the Board; interventions. The ERCB Public Hearing Process is also included in "Conservation in Alberta", ERCB-36, for the year 1979.

TRANSMISSION LINES AND THE REGULATORY PROCESS IN ALBERTA

Guide G-17-1 Jan 1980 (paper or diazo) N/C

A general outline of the process by which a transmission line is planned, applied for, and considered by regulatory authorities, and how input from affected parties is incorporated.

Note: Present stock is labelled G-16-1. Future printings will be G-17-1.

WELL-SITE SELECTION AND THE SURFACE OWNER

Guide G-17-2 Jun 1982 (paper or diazo) N/C

A general guide for landowners and occupants which outlines their rights and the restrictions governing the location of a well site. This guide forms part of an information package that must be delivered by an agent on first contact with a landowner.

See page 56 for related material.

PIPELINE AND SURFACE RIGHTS A GUIDE FOR LANDOWNERS AND OCCUPANTS

Guide G-17-3 Jul 1985 (paper or diazo) N/C

FSBERRSI REVISED COMPUTER PROGRAM TO CALCULATE ERROR IN PRORATION-BATTERY MEASUREMENT OF WELL AND POOL PRODUCTION

Guide G-18 Dec 1981 (paper or diazo) N/C

This program is an engineering tool that is used in the initial design of an oil well battery to determine what equipment may be required to meet ERCB measurement accuracy guidelines.

UNIQUE WELL IDENTIFIER USER MANUAL

Guide G-19 Feb 1981 (paper or diazo) N/C

Contains information on the use and format of unique well identifier as pertains to oil and gas, coal, and oil sands resource areas.

GUIDES

GUIDELINES RESPECTING AN APPLICATION TO CONSTRUCT OR ALTER AN ELECTRIC TRANSMISSION LINE

Guide G-22 May 1981 (paper or diazo) N/C

Contains information requirements of both ERCB and Alberta Environment. Composed of four sections: project description, technical information, environmental information, and economic assessment.

GUIDELINES RESPECTING AN APPLICATION FOR A COMMERCIAL CRUDE BITUMEN RECOVERY AND UPGRADING PROJECT

Guide G-23 May 1981 (paper or diazo) N/C

Contains information requirements of both ERCB and Alberta Environment. Composed of four sections: project description, technical information, environmental impact assessment, and economic information, with additional clause on historical resource assessments.

PIPELINE APPLICATIONS TO THE ERCB A GUIDE TO CONTENT

Guide G-24 Dec 1981 (paper or diazo) N/C

Contains information requirements of both ERCB and Alberta Environment. Composed of four sections: project description and technical information, right-of-way information, biophysical and social information, and economic information.

INDUSTRIAL DEVELOPMENT PERMIT APPLICATIONS TO THE ERCB A GUIDE TO CONTENT

Guide G-25 Sep 1981 (paper or diazo) N/C

Information requirements of ERCB and Alberta Environment; composed of four sections; project description, technical information, biophysical and social information, and economic information.

SOUR-GAS PROCESSING - PLANT APPLICATIONS TO THE ERCB A GUIDE TO CONTENT

Guide G-26 Sep 1981 (paper or diazo) N/C

Information requirements of ERCB and Alberta Environment; emphasis on biophysical and social information requirements.

THERMAL POWER PLANT APPLICATIONS TO THE ERCB A GUIDE TO CONTENT

Guide G-28 Dec 1982 (paper or diazo) N/C

Information requirements of ERCB and Alberta Environment; project description, technical information, environmental information and economic information.

GUIDES

PUBLIC GUIDE TO PROCEDURE AT BOARD HEARINGS

Guide G-29 Jan 1982 (paper or diazo) N/C

A two-page leaflet for the information of the general public and for those members of the public attending Board hearings as interveners.

CARELESS CONSTRUCTION NEAR PIPELINES CAN CAUSE ACCIDENTS

Guide G-30 Oct 1983 (paper or diazo) N/C

GUIDELINES RESPECTING APPLICATIONS FOR LOCAL INTERVENERS' COSTS AWARDS

Guide G-31 Apr 1983 (paper or diazo) N/C

The guide reviews who may be entitled to an award of costs, what types of costs are normally recovered, the kinds of costs awards which have been granted, how an intervener makes an application for an award of costs, how the ERCB processes a claim for an award of costs, costs advances, the principle reasonableness of costs. Provides a form for making a claim for costs.

COMMON GAS PURCHASER AND RELATED MATTERS BOARD POLICY AND VIEWS

Guide G-32 Nov 1983 (paper or diazo) N/C

This guide results from Board's review of the Declaratory Provisions of Part 10 and Section 23 of the Oil and Gas Conservation Act and discusses a number of matters where problems have been experienced or perceived by the industry, including apportioning under a common-purchaser order, discrimination, retroactivity and method of adjustment, cross-dedication, areally extensive pools, and gas PSU administration.

APPLICATION FOR A WELL LICENCE INSTRUCTIONS FOR COMPLETION OF FORM ED-1

Guide G-33 Feb 1985 N/C

Addresses in detail the following aspects of the well licence application (Form ED-1): purpose; location and depth; casing program; mineral rights; surface impact; and surface rights.

RIG INSPECTION MANUAL

Guide IG-11 Sep 1985

First copy to operator $ 4
Amendments (to Guide-holders) N/C

Outlines the procedures and items checked by the ERCB staff when inspecting drilling and service rigs.

ERCB REPORTS

Note: The publications listed under the heading "ERCB Reports" are available in hard copy, and may be available on diazo. If a publication is not listed in the "ERCB Reports" Section of the Catalogue, it is available only on diazo. For older publications, see the Maps and Publications Department or the ERCB Library.

A DESCRIPTION AND RESERVE ESTIMATE OF THE OIL SANDS OF ALBERTA

OGCB 63-7[1] Oct 1963 $ 6

Pertains mainly to sands in McMurray, Gething, and Grand Rapids formations of northern Alberta; geology, depth of burial, and oil content; methods and factors used to estimate reserves, with tabulations; 15 diagrams of geological description and reserve method.

REPORT AND DECISION ON REVIEW OF POLICIES AND PROCEDURES FOR CONSIDERING APPLICATIONS UNDER THE GAS RESOURCES PRESERVATION ACT, 1956

OGCB 69-D Oct 1969 $ 3

MEASUREMENTS OF FLUID INTERFACE LEVELS, ALBERTA CRUDE OIL POOLS

ERCB 75-0 Nov 1975 $ 3

Wells where measurements taken; date; type of device; prior shut-in time; preliminary interpretation of level; example.

REPORT AND DECISION ON THE REVIEW OF PROCEDURES FOR DETERMINING THE RESERVES OF GAS SURPLUS TO THE REQUIREMENTS OF ALBERTA

ERCB 76-C Jul 1976 $ 3.50

Procedures for determining: Alberta's surplus position and permittee's reserves in excess of authorization; data given by removal permit deliverability schedules; design of permit fields or reserves in small unconnected pools; modified surplus determination procedures and implementation.

SASKATCHEWAN POWER CORPORATION UNDER THE GAS RESOURCES PRESERVATION ACT, REPORT ON APPLICATION FOR REMOVAL OF GAS FROM THE PROVINCE

ERCB 77-B Apr 1977 $ 3.50

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1 OGCB is the Oil and Gas Conservation Board; in 1971 the Board's name became Energy Resources Conservation Board.

ERCB REPORTS

CALGARY POWER LTD. FOR TWO 500 kV TRANSMISSION LINES FROM KEEPHILLS PLANT TO THE ELLERSLIE SUBSTATION

ERCB 80-A Mar 1980 $ 10

CALGARY POWER LTD. FOR APPROVAL TO EXPAND AND CONNECT THE KEEPHILLS POWER PLANT TO THE ELECTRIC POWER SYSTEM

ERCB 80-B May 1980 $ 4.50

CALGARY POWER LTD. REPORT ON APPLICATION FOR 500 kV TRANSMISSION LINES, KEEPHILLS-ELLERSLIE SUB-STATION (EAST AND WEST SECTION OF SOUTHERN ROUTE)

ERCB 81-D Apr 1981 $ 10

(Supplement to Report 80-A)

ALBERTA'S HYDROELECTRIC ENERGY RESOURCES

ERCB 81-E May 1981 $ 15

Theoretical hydroelectric potential in Alberta and assessment of potential for development; organized by main river basins; information on reaches of main stem of each river and major tributaries.

GENERATION EXPANSION 1985-1987 KEEPHILLS AND GENESEE POWER PLANTS

ERCB 82-C Feb 1982 $ 6.50

A decision report concerning applications by TransAlta Utilities and Edmonton Power relating to generation in the 1985 to 1987 period.

ADDENDUM TO ERCB 82-C

Aug 1982 N/C

Updates the Board's forecast of the timing of projected thermal capacity additions to the Alberta interconnected system based on the Board's latest electric energy requirements forecast.

SOUR-GAS PROCESSING IN ALBERTA

ERCB 82-D Apr 1982 N/C

A review of recent ERCB hearings with respect to: environmental impacts of sulphur dioxide, trace metal and other chemical emissions, sulphur recovery, viability of injection of waste gases, surveillance of operations.

ERCB REPORTS

ENERGY REQUIREMENTS IN ALBERTA 1981-2005

ERCB 82-F Oct 1982 $ 25

Report based on evidence received at a public hearing in April 1981 and on the Board's own studies. The report discusses population and economic growth in key sectors of the economy; energy conservation by end-use category and for key industrial sectors; electric and non-electric annual energy requirements by end-use category and by energy resource; electric and non-electric annual energy resource requirements by end-use category, by energy resource, and for key industrial sectors; energy alternatives, i.e., energy resource options in the light of changing technologies and economics.

GAS PROCESSING PLANT EXPANSIONS (CANADIAN HUNTER EXPLORATION LTD., SULPETRO LIMITED, AND CHEVRON STANDARD LIMITED)

ERCB 82-G Dec 1982 $ 10

Report discusses background on the extraction and disposition of ethane-plus in Alberta, incremental production of ethane and other natural gas liquids, the availability of markets for ethane and other natural gas liquids, supply/demand balances for ethane and other natural gas liquids, cost of ethane and other natural gas liquids, impact on the existing straddle plant system and the petrochemical industry, impact on enhanced recovery of oil, benefits/costs, other matters affecting public interest, findings and conclusions.

DECISION ON AN APPLICATION BY MCLEOD RIVER COAL LTD. MCLEOD RIVER COAL PROJECT - HINTON

ERCB D 83-A Feb 1983 $ 5

Report contains: project overview, technical issues respecting mining and processing plant, resource industry land-use conflicts, environmental, social and economic matters, conclusions and recommendations.

GAS REMOVAL PERMIT APPLICATIONS DECISIONS ALBERTA AND SOUTHERN GAS CO. LTD., KANNGAZ PRODUCERS LTD., PAN-ALBERTA GAS LTD., PROGAS LIMITED, SOCIÉTÉ QUÉBECOISE D'INITIATIVES PÉTROLIÈRES, TRANSCANADA PIPELINES LIMITED

ERCB D 83-B Feb 1983 $ 6.50

MERCOAL COAL PROJECT DECISION ON AN APPLICATION BY MERCOAL MINERALS LTD.

ERCB D 83-C Apr 1983 $ 6

Report contains: project overview, technical issues respecting mining and processing plant, land-use conflicts, environmental, social and economic matters, and findings and recommendations.

ERCB REPORTS

COAL BRANCH REGIONAL GROWTH STUDY

ERCB 83-D Apr 1983 $ 6

Deals with prospective resource development and the implications of this growth in the Coal Branch region. Contains: prospects for economic development, employment and population projections, impact on regional growth, conclusions.

ALBERTA OIL SUPPLY 1983-2007

ERCB 83-E Dec 1983 $ 20

ERCB 83-E provides a forecast of Alberta oil supply from all sources - conventional light-medium and heavy, and pentanes plus, synthetic and bitumen for the years 1983 to 2007. It is intended as an update of ERCB 81-B as published in January 1981. While the earlier report relied, to some extent, on information submitted to the Board at a public hearing, ERCB 83-E resulted largely from analysis of information assembled by Board staff, through its regular reserves and production analysis functions supplemented by discussions with industry. The results reflect the oil production capability that is expected to derive, assuming no restriction by market prorationing, and also assumes a stable resource policy environment that is neither artificially depressive nor artifically supportive.

See ERCB 85-A for more recent data.

ERCB INQUIRY RESOURCE DEVELOPMENT/URBAN DEVELOPMENT WEST EDMONTON AREA

ERCB D 83-F Jul 1983 $ 6.50

Reviews plans for both energy resource and urban surface developments and recommends guidelines which would permit the developments to co-exist.

AN ANALYSIS OF PIPELINE PERFORMANCE IN ALBERTA

ERCB D 83-G Dec 1983 $ 7.50

Deals with overall performance of pipelines used in the oil and gas industry, with the use of pipeline leak and break statistics. Contains background information on the statistical data base and leak and break statistics (distribution of leaks by pipeline type, major cases of province-wide leaks, leading causes, frequency, and trends of each pipeline type).

ERCB REPORTS

ELECTRIC GENERATION EXPANSION 1985-1990 SHEERNESS AND GENESEE POWER PLANTS

ERCB D 83-H Dec 1983 $ 6.50

Discusses electric energy requirements for 1985 to 1990; electric generating capacity requirements and timing to reliably supply the demand of the Alberta interconnected electric system for 1985 to 1990; costs and benefits associated with deferral or non-deferral of the Sheerness and Genesee units.

A REPORT ON SOME TRACE ELEMENT STUDIES IN THE TWIN BUTTE AREA

ERCB 84-A Jul 1984 N/C

Summarizes results of a number of studies and surveys concerning the possibility of air and water pollution by trace elements in the Twin Butte area of southern Alberta. Some experimental detail, or references to other reports and papers with such detail, is included.

PUBLIC MEETING TO CONSIDER CONCERNS REGARDING AN UNCONTROLLED FLOW OF SOUR GAS AND THE OPERATION OF A SOUR GAS PLANT IN THE CLARESHOLM AREA

ERCB 84-B Dec 1984 N/C

Deals with an 8 November 1984 public meeting, held in Claresholm to discuss concerns of local residents regarding the September 1984 release of sour gas from a well located in 6-30-12-25 W4M, and the operations of the adjacent Claresholm sour gas plant.

ALBERTA OIL SUPPLY 1985-2010

ERCB 85-A Apr 1985 $ 20

Forecast of Alberta's oil supply for the period 1985-2010 from all sources: conventional light (includes medium) and heavy, pentanes plus, and bitumen. It includes a section on ultimate oil potential and a forecast of pipeline productive capacity of conventional crude oil from remaining reserves as of 31 December 1983. Report updates ERCB 83-E.

ERCB INQUIRY REQUIREMENTS FOR MAJOR ELECTRIC TRANSMISSION LINES IN THE EDMONTON AREA

ERCB D 84-1 Feb 1984 $ 5

Report reviews requirements for future major electric transmission lines needed to supply electric energy in the Edmonton area.

Report contains the scope and the need for the inquiry; views of the participants regarding the need for and feasibility of future development; review of electric load forecast; identification of constraints; criteria for evaluating and selecting facilities; requirements and alignments for future corridors.

ERCB REPORTS

ESSO CANADA RESOURCES LIMITED LEDUC-WOODBEND D-3 A POOL CONCURRENT PRODUCTION SCHEME GOLDEN SPIKE GAS STORAGE SCHEME

ERCB D 84-2 Jan 1984 $ 5

Deals with application by Esso Canada Resources Limited for blowdown of main pool and concurrent production of saddle and south-east extension areas of Leduc-Woodbend D-3 A pool; also deals with application by Esso Canada Resources Limited for storage of Leduc-Woodbend D-3 A pool gas in the Golden Spike D-3 A pool.

Report contains background of pools on Cooking Lake aquifer chain; oil in place and oil recovery from Leduc-Woodbend D-3 A pool; gas recovery from Leduc-Woodbend D-3 A pool; effect of blowdown scheme on non-unit owners in Leduc-Woodbend D-3 A pool; effect of blowdown on nearby pools; effects of gas markets on scheme implementation; benefits of scheme.

WESTERN DECALTA PETROLEUM (1977) LIMITED DIAMOND VALLEY GAS PROJECT TURNER VALLEY FIELD AND AREA

ERCB D 84-3 Mar 1984 $ 5

Deals with application by Western Decalta Petroleum (1977) Limited for approval to construct gas processing plant in Hartell area south of Turner Valley.

Discusses need for Diamond Valley gas plant; appropriate location and size of gas plant; effect of gas plant on surrounding area.

GASCAN RESOURCES LTD. ENHANCED RECOVERY MITSUE GILWOOD A POOL CHEVRON CANADA RESOURCES LIMITED AMENDMENT TO BOARD APPROVAL 3665 ENHANCED RECOVERY MITSUE GILWOOD A POOL

ERCB D 84-4 Apr 1984 $ 5

Deals with application by Gascan Resources Ltd. for approval of two schemes for enhanced recovery of oil by water injection in the Mitsue Gilwood A pool; also deals with application by Chevron Canada Resources Limited for amendment to Approval 3665 to permit conversion of well, Atlantic Mitsue 2-22-69-3 W5M, to fresh water injection service.

Report contains need for consideration of project status; need for voidage replacement to enhance oil recovery; effectiveness of communication between injector and producing wells; ability to control performance of wells in schemes; possible proliferation of similar scheme and potential impact on pool recovery; opportunity of each operator to obtain its share of production from pool; controls for performance monitoring.

ERCB REPORTS

LODGEPOLE BLOWOUT INQUIRY - PHASE 2 SOUR GAS WELL BLOWOUTS IN ALBERTA; THEIR CAUSES AND ACTIONS REQUIRED TO MINIMIZE THEIR FUTURE OCCURRENCE

ERCB D 84-5 Apr 1984 N/C

Inquiry to report on causative factors of sour gas blowouts in Alberta, and actions that can reasonably be taken to minimize possibility of future occurrences.

Discusses well blowouts in Alberta; early formation of a blowout prevention review committee (BPRC) to examine drilling practices, on-site supervision and equipment and rig inspection procedures; development of special drilling precautions and blowout prevention controls to be used on all wells designated by the ERCB as "critical"; need for improved and increased training for those directly involved in sour well drilling; involvement of public in development of emergency response plans for drilling of "critical" sour wells.

ESSO RESOURCES CANADA LIMITED QUIRK CREEK GAS PROCESSING PLANT

ERCB D 84-6 Apr 1984 $ 5

Deals with application for approval to process sour gas reserves from Moose and Whiskey fields at the Quirk Creek plant.

Discusses background on initial application by Esso in 1981; recent approval of Moose/Whiskey pipeline system; environmental impact aspects; additional gas recovery from Quirk Creek field; sulphur recovery efficiency; summary and decision.

CANTERRA ENERGY LTD. SOUR GAS PIPELINE FUEL GAS PIPELINE CALGARY AREA

ERCB D 84-7 May 1984 $ 5

Deals with applications by Canterra for permits to construct pipelines to gather sour gas from and deliver fuel gas to wells in the Okotoks field.

Discusses purpose and necessity of proposed pipelines including appropriateness of a limited time period for any appoval; route and sour gas level of proposed pipelines; need for special permit conditions; pipeline design; sour gas-related land-use planning constraints.

AMOCO CANADA PETROLEUM COMPANY LTD. APPLICATION FOR A WELL LICENCE

ERCB D 84-8 Apr 1984 $ 5

Deals with application by Amoco Canada Petroleum Company Ltd. for well licence for proposed well to be known as Amoco Stal A6-6-54-25, located in Legal Subdivision 6 of Section 6, Township 54, Range 25, West of the 4th Meridian.

Discusses need for the well; maximum hydrogen sulphide (H_2S) release rate that could be expected should a blowout occur; safety of the public.

ERCB REPORTS

LODGEPOLE BLOWOUT INQUIRY - PHASE 1

ERCB D 84-9 Dec 1984 N/C

Inquiry into events and circumstances leading up to, and the cause of, a sour gas well blowout on 17 October 1982, near Lodgepole, Alberta and the events following the blowout.

Discusses cause of blowout and adequacy of actions taken by Amoco Canada Petroleum Company Ltd. to prevent it; well-control activities and adequacy of actions by Amoco and others; hazard to human health; impact on environment and on personal property; communication and co-ordination; adequacy of ERCB responses following blowout, and its regulations, policy, and procedure; adequacy of govn't. departments' responses following the blowout, and their regulations, policy, and procedure; significance of inquiry recommendations in reducing potential for blowouts; developments since release of Phase 2 report.

ADDENDUM TO ERCB D 84-9 (LODGEPOLE BLOWOUT INQUIRY - PHASE 1)

Dec 1984 N/C

An addendum to report upon additional information with respect to the flow rate of the well, Amoco Dome Brazeau River 13-12-48-12. Addendum includes recent data from testing of the well; the impact of the data on the findings and recommendations of ERCB D 84-9.

ALBERTA ENERGY COMPANY LTD. PROPOSED PIPELINES AND RELATED FACILITIES COLD LAKE - EDMONTON AREAS

ERCB D 84-10 Jun 1984 $ 5

Deals with Alberta Energy proposed pipelines and related facilities to transport increased volumes of diluent from Edmonton to Cold Lake area and blended bitumen from Cold Lake area to Edmonton.

Discusses purpose and necessity of proposed pipelines; pipeline route; environmental impacts; agricultural impacts; crossing of Genstar lands; pipeline design, construction, and operation.

WESTMIN RESOURCES LIMITED RATEABLE TAKE LINDBERGH COLONY W POOL

ERCB D 84-11 May 1984 $ 5

Deals with application for declaration to restrict amount of gas produced from Lindbergh Colony W Pool by distributing amount of gas that may be produced from pool in equitable manner among wells in the pool.

Discusses need for a rateable-take order; basis for distributing production between wells in the pool; effective date of rateable-take order.

ERCB REPORTS

WIND-POWERED ELECTRIC GENERATOR OF A. E. SINNOTT NEAR PINCHER CREEK

ERCB D 84-12 Jun 1984 $ 5

Deals with application for approval to operate a 40-kilowatt wind-powered electric generator in Pincher Creek area and to connect generator to the electric distribution system of TransAlta Utilities Corporation.

Disusses effects of the wind-powered generator on Alberta electric system; banking of surplus energy from the wind-powered generator in TransAlata's electric system; the value of surplus energy; a trial period for gathering technical and cost information; some general principles applied by the Board in dealing with the application.

ENHANCED RECOVERY PEMBINA NISKU N POOL CANADIAN RESERVE OIL AND GAS LTD. TEXACO CANADA RESOURCES LTD.

ERCB D 84-13 Jun 1984 $ 5

Deals with application by Canadian Reserve Oil and Gas Ltd. and BP Exploration Canada Limited for an enhanced recovery scheme by water injection in a portion of the Pembina Nisku N pool; also deals with application by Texaco Canada Resources Ltd. for an enhanced recovery scheme by hydrocarbon miscible flood in the Pembina Nisku N pool.

Discusses background of Pembina Nisku N pool; oil recovery and pool performance under waterflood and miscible flood; associated economics of each depletion scenario.

APPLICATION BY ESSO PETROLEUM CANADA, A DIVISION OF IMPERIAL OIL LIMITED TO AMEND ERCB APPROVAL HE 8208

ERCB D 84-14 Jun 1984 $ 5

Deals with application by Esso Petroleum Canada to alter the electric distribution system and service area boundary of the City of Edmonton (Edmonton Power).

Discusses ERCB Approval HE 8208 which designates electric service area boundary of Edmonton Power to coincide with municipal boundary of City of Edmonton; issue of electric service to Esso's Strathcona refinery complex being provided by both Edmonton Power and TransAlta Utilities Corporation because part of the complex is within the limits of the City of Edmonton and part outside the city limits; effect on cost of electric service to Esso due to being served by two utilities; suggested ways of resolving the issue of Esso being faced with higher cost of service as result of being served by two utilities.

ERCB REPORTS

ADDENDUM TO ERCB D 84-14

Jan 1984 $ 5

Deals with application by Esso Petroleum Canada to alter electric distribution system and service area boundary of the City of Edmonton (Edmonton Power).

Discusses ERCB Approval HE 8208 which designates the electric service area boundary of Edmonton Power to coincide with municipal boundary of City of Edmonton; issue of electric service to Esso's Strathcona refinery complex; increase in cost of electric service to Esso due to being served by two utilities; Board decision.

LOCAL INTERVENERS' COSTS RESPECTING THE 240-KV TRANSMISSION LINE FOR THE LANGDON SUBSTATION TO ANDERSON SUBSTATION

ERCB D 84-15 Jun 1984 N/C

Deals with local interveners' costs applications resulting from a hearing which commenced 6 March 1984 in Strathmore and was adjourned 14 March 1984, sine die.

Discusses interveners' claims for an advance of costs; appropriateness of cost applications prior to completion of hearing; need for advance of costs to interveners.

ESSO RESOURCES CANADA LIMITED APPLICATION TO PROCEED WITH PHASES III AND IV OF THE COLD LAKE PROJECT

ERCB D 84-16 Jun 1984 $ 5

Deals with application for approval of immediate development of Phases III and IV which would produce an additional 3000 cubic metres per day of crude bitumen.

Discusses summary of details for Phases III and IV; biophysical environmental impacts; use of Cold Lake as source of fresh water make-up; socio-economic impacts; decision.

NORTHWESTERN UTILITIES LIMITED PIPELINE UPGRADING AT ROAD CROSSINGS COUNTY OF LAC ST. ANNE

ERCB D 84-17 Jun 1984 $ 5

Deals with application by Northwestern Utilities Limited for approval to upgrade its Swan Hills gas transmission pipeline at road crossings in the county of Lac St. Anne.

Discusses purpose and necessity of upgrading the pipeline; reasonableness of conditions imposed by county on granting of approval to case road crossings.

ERCB REPORTS

ZAHAVA HANEN AND RUMSEY RANCHES' REQUEST FOR LOCAL INTERVENERS' COSTS RE: ESSO QUIRK CREEK GAS PLANT

ERCB D 84-18 Jul 1984 N/C

Deals with local interveners' costs applications resulting from hearing on Application No. 830698 - Esso Quirk Creek gas plant.

Discusses appropriateness of costs claimed for the expert testimony presented at the hearing.

BRAZEAU RIVER NISKU CARBONATE BANK OPTIMUM DEPLETION INQUIRY AMOCO CANADA PETROLEUM COMPANY LTD.

MEMORANDUM OF DECISION AND
ERCB D 84-19 Jul 1984 $ 5

Deals with an inquiry by the Board into optimun depletion strategy for recovery of hydrocarbon from gas reservoirs in Brazeau River Nisku Carbonate Bank; applications by Amoco Canada Petroleum Company Ltd. for scheme of gas cycling and for permits to construct pipelines in Nisku Carbonate Bank area of Brazeau River field.

Discusses proposed flow and pressure monitoring program; adjournment of inquiry; approval of pipelines.

BANKENO RESOURCES LTD. APPLICATION FOR APPROVAL OF A GAS PROCESSING PLANT MORINVILLE FIELD

ERCB D 84-20 Sep 1984 $ 5

Deals with application by Bankeno Resources Ltd. for approval to construct and operate a sour gas processing plant in the Morinville field.

Report discusses the need for the gas plant; the appropriate location and size of the gas plant; effect of gas plant on surrounding area.

SOCIÉTÉ QUÉBÉCOISE D'INITIATIVES PÉTROLIÈRES (SOQUIP) APPLICATION TO AMEND GAS REMOVAL PERMIT

ERCB D 84-21 Oct 1984 $ 5

Application is for approval to increase the total volume of gas to be removed from Alberta by 5.108 billion cubic metres; increase the annual volume by 340.545 million cubic metres; and increase the maximum daily volume by 933 thousand cubic metres during the period 1 November 1984 to 31 October 1997; approval to extend the permit term from 31 October 1997 to 31 October 1999; approval to name 15 additional fields, pools, and areas from which gas may be obtained for removal from Alberta.

Discusses reserves under contract to SOQUIP; gas surplus; public interest; jurisdictional matters; permit conditions; findings and decision.

ERCB REPORTS

FEDERATED PIPE LINES LIMITED PEACE PIPE LINE LIMITED PROPOSED HIGH VAPOUR PRESSURE PIPELINES AND RELATED FACILITIES FORT SASKATCHEWAN TO SWAN HILLS-JUDY CREEK AREA

ERCB D 84-22 Sep 1984 $ 5

Deals with an application by Federated to connect an existing oil pipeline between Namao and Swan Hills to high vapour pressure service and to construct new high vapour pressure pipelines between Fort Saskatchewan and Namao, around the town of Morinville and in the Swan Hills and Judy Creek areas. The pipelines would be used to transport high vapour pressure natural gas liquids from Fort Saskatchewan to proposed miscible flood projects in the Swan Hills and Judy Creek areas; an application by Peace Pipe to construct new high vapour pressure pipelines and related facilities between Fort Saskatchewan and Namao. The pipeline would be laid in a common ditch with Federated's pipeline and would transport high vapour pressure natural gas liquids from Namao to a cavern storage facility in Fort Saskatchewan.

Discusses the adequacy of the selected existing pipeline for the intended high vapour pressure service; the routing of the proposed new pipelines; need for the Namao to Fort Saskatchewan leg of the pipelines.

BIEWAG ENERGY RESOURCES LTD. AMENDMENT OF INDUSTRIAL DEVELOPMENT PERMIT WASKATENAU AREA

ERCB D 84-23 Oct 1984 $ 5

Application is for amendment of dates in Clause 10 of the permit and paragraphs 1 and 2 of Attachment I to O.C. 1129/82, as amended. All dates would be amended to read 30 June 1985.

Report discusses background of project; interveners' views; findings and recommendation.

NEW FACILITIES AT THE SYNCRUDE MILDRED LAKE OIL SANDS PLANT SO_2 EMISSION LIMITS

ERCB D 84-24 Oct 1984 $ 5

Deals with an application to amend Syncrude's existing approval 2959 to increase the yearly synthetic crude oil production, to modify existing equipment and construct new facilities, and to extend the approved life of the project to 31 December 2013.

Discusses the proposed expansion; the extension of the term of project approval by a further 9 years to 31 December 2013; sulphur dioxide and particulate emission; other environmental, social and economic issues.

ERCB REPORTS

ADDENDUM TO ERCB D 84-24

Jan 1985 $ 5

Deals with SO_2 emission limits for new facilities at Syncrude Mildred Lake oil sands plant.

Discusses the 90-day rolling average limits and their administration; retention of 292 tonnes/day daily limit; retention of hourly limit of 16.4 tonnes/hour.

MANY ISLANDS PIPELINES (CANADA) LIMITED REQUEST FOR ADDITIONAL RESERVOIR DATA MEDICINE HAT MEDICINE HAT A AND C POOLS

ERCB D 84-25 Oct 1984 $ 5

Application for an order directing the obtaining of certain additional reservoir data in the application area to deal with an equity matter raised concerning the Medicine Hat A and C pools in the Medicine Hat field.

Discusses information before the Board; the need for additional reservoir data.

SHELL CANADA RESOURCES LIMITED PEACE RIVER EXPANSION PROJECT

ERCB D 84-26 Nov 1984 $ 5

Deals with application for approval of a commercial scheme involving the expansion of Shell's current Peace River in situ project.

Report discusses reserves and recovery efficiency; size and phasing of the project; environmental management; water management; field facilities and protection of aquifers; marketing of bitumen; availability of diluent; socio-economic impact; local employment and business opportunities for natives.

PANCANADIAN PETROLEUM LIMITED APPLICATION FOR A WELL LICENCE

ERCB D 84-27 Nov 1984 $ 5

Application for well licence to drill a well in the Gleichen field in Legal Subdivision 16 of Section 33, Township 23, Range 21, West of the 4th Meridian, to obtain production from the Medicine Hat sand.

Report discusses location of proposed well.

ERCB REPORTS

A REPORT ON AN APPLICATION BY CANTERRA ENERGY LTD. TO DRILL A CRITICAL SOUR WELL IN THE SUNDRE AREA

ERCB D 84-28 Dec 1984 $ 5

Application to drill a critical sour gas well in Sundre area (12-12-32-6 W5M).

Discusses concerns of area residents; purpose of well and its potential release rate; precautions necessary (drilling) if well were drilled; possibility of drilling problems and well blowout; emergency planning to be used in event of drilling problems or blowout; stringent requirements applied to drilling and emergency planning with specific emphasis on ignition of uncontrolled well flow; test phases and likelihood of further development.

DEVNIC RESOURCES LTD. APPLICATION FOR A WELL LICENCE ACHESON AREA

ERCB D 84-29 Dec 1984 $ 5

Application to drill well (13-18-53-25 W4M) to obtain gas production from Belly River group and oil production from Ellerslie member or Wabamun group.

Discusses need for the well, impact of well during drilling and production phases; mitigative measures taken to reduce impact; future development in area of application.

BRAZEAU RIVER NISKU CARBONATE BANK PRIMARY PRODUCTION AND CYCLING SCHEME

ERCB D 84-30 Dec 1984 $ 5
(Interim Decision)

Application for scheme of gas cycling in a portion of the Carbonate bank.

Discusses dewpoint pressures for reservoir fluids; primary production; gas cycling.

PALMER RANCH (1984) LTD. INDUSTRIAL DEVELOPMENT PERMIT TO MANUFACTURE AMMONIA

ERCB D 84-31 Jan 1985 $ 5

An application for approval to use natural gas as raw material and fuel in production of anhydrous ammonia in a new plant to be constructed on site of decommissioned Pincher Creek gas plant.

Discusses need for the plant; gas supply; efficient use of gas; environmental impacts; economic costs and benefits.

ERCB REPORTS

MR. ROY ANDREW APPLICATION FOR HEARING PURSUANT TO SECTION 43 OF THE ENERGY RESOURCES CONSERVATION ACT

ERCB D 85-1 Jan 1985 $ 5

Deals with surface and subsurface location of proposed well, Aberford Summit Gilby 14-34-40-3, and the route of access road into well site.

Discusses environmental impact, adverse effects on farming operations; directional drilling; geology.

SHELL CANADA RESOURCES LIMITED
JUMPING POUND SULPHUR FORMING PROJECT

ERCB D 85-2 Jan 1985 $ 5

Deals with application for approval to construct and operate sulphur forming facilities at Jumping Pound gas plant.

Discusses need for proposed facility; proposed location and alternative sites; area impact and other local concerns.

APPLICATION BY FEDERATED PIPE LINES LTD. FOR A PIPELINE IN THE SWAN HILLS AREA

ERCB D 85-3 Jan 1985 N/C
(Interim Decision)

Application to construct approximately 85 kilometres of 168.3 millimetre diameter pipeline from Swan Hills area to Mitsue field.

Discusses need for pipeline, diameter, whether construction constituted orderly and economic development in public interest, environmental impact. Report contains only Board's conclusions. Full report to be published later.

APPLICATION BY FEDERATED PIPE LINES LTD. TO AMEND PERMIT 21228

ERCB D 85-3 Mar 1985 $ 5

See comments under ERCB D 85-3 (Interim Decision) above.

ERCB REPORTS

OCELOT INDUSTRIES LTD. APPROVAL TO MODIFY ITS EXISTING PECO CENTRAL GAS PLANT TO RECOVER ETHANE-PLUS LIQUIDS

ERCB D 85-4 Mar 1985 $ 5

Deals with application by Ocelot Industries Ltd. to install facilities at its existing Peco Central gas processing plant to recover a mixture of ethane and heavier hydrocarbon liquids from natural gas.

Discusses volume of ethane and other natural gas liquids that would be recovered at proposed facility which would be incremental to provincial production; present and future markets for the ethane and other natural gas liquids; cost of ethane recovered at proposed facility; potential impact on existing straddle plant system and on Alberta petrochemical industry; impact on potential for enhanced oil recovery; economic benefits to Alberta; proprietary rights of gas producers; degree of upgrading of resources within Alberta; conservation and environmental aspects of proposed facility.

THOMSON-JENSEN PETROLEUMS LTD. RATEABLE TAKE OF GAS FROM THE ATMORE NISKU A, MCMURRAY B, AND WABISKAW C POOLS

ERCB D 85-5 Jan 1985 $ 5

Deals with application for declaration to equitably distribute gas production among wells in Atmore Nisku A, McMurray B, and Wabiskaw C pools.

Discusses need for a rateable-take order; if a need, method of distributing production; delineation of Atmore Nisku A, McMurray B, and Wabiskaw C pools.

DOME PETROLEUM LIMITED EXPERIMENTAL IN SITU SCHEME LINDBERGH SECTOR

ERCB D 85-6 Feb 1985 $ 5

Deals with application for approval to develop a 16-well cyclic steam experimental project in Cold Lake Wabiskaw-McMurray oil sands deposit in NW quarter of Section 10, Township 56, Range 6, W4M.

Discusses decision made at hearing; reasons for decision.

PANCANADIAN PETROLEUM LIMITED REDUCED WELL SPACING AND CLEANING PLANT LINDBERGH SECTOR

ERCB D 85-7 Feb 1985 $ 5

Deals with application for reduced well spacing in Section 3, Township 56, Range 6, W4M and application to construct and operate a cleaning plant in Legal Subdivision 6 of Section 3.

Discusses need for the reduced spacing and cleaning plant; truck traffic; noise; odours and emissions; impact on ground water; land/soil management; fencing.

ERCB REPORTS

DENISON MINES LIMITED ENHANCED RECOVERY MITSUE GILWOOD A POOL

ERCB D 85-8 Feb 1985 $ 5

Deals with application for enhanced recovery of oil by water injection in part of the Mitsue Gilwood A pool.

Discusses suitability of proposed injection well in LSD 14-22-74-6 W5M with respect to pressure maintenance in the area; completion interval of proposed injector; proposed scheme area; request by Coseka Resources Limited to have water injected on behalf of its wells in LSD 2-20-74-5 W5M and LSD 2-26-74-6 W5M.

CONSOLIGAS MANAGEMENT LTD. APPLICATION FOR GAS REMOVAL PERMIT

ERCB D 85-9 May 1985 $ 5

Deals with application for approval of new gas removal permit authorizing removal from Alberta of 214.51 x 10^6 m^3 of gas over a three-year permit term.

Discusses background; gas surplus/Alberta requirements; economic costs and benefits to Alberta; decision.

BRAZEAU RIVER NISKU CARBONATE BANK OPTIMUM DEPLETION INQUIRY AMOCO CANADA PETROLEUM COMPANY LTD.

ERCB D 85-10 Feb 1985 $ 5

Application for approval of a scheme of dry gas cycling in a portion of the Carbonate bank.

Discusses regional geology; areas of pressure communication; hydrocarbon accumulations and reserves; reservoir fluid properties; production/injection configurations; voidage replacement; primary production and operating pressure; cycling rates and facilities; unitization.

SUNCOR INC. RATEABLE TAKE OF GAS ROSEVEAR BEAVERHILL LAKE A POOL

ERCB D 85-11 Mar 1985 $ 5

Deals with application for order to distribute gas production in equitable manner among wells in north Rosevear area, operated by Suncor Inc., and the east leg of the south Rosevear gas unit No. 1, operated by Shell Canada Resources Limited, of the Rosevear Beaverhill Lake A pool.

Discusses delineation of Rosevear Beaverhill Lake A pool; need for rateable-take order; basis for distributing production.

ERCB REPORTS

BOW RIVER PIPE LINES LTD. APPLICATION TO CONSTRUCT A CRUDE OIL PIPELINE

ERCB D 85-12 Feb 1985 $ 5

Application to construct approximately 27.8 kilometres of 219.1-millimetre diameter crude oil pipeline and to reverse direction of flow in a portion of its existing crude oil gathering system.

Deals with need for pipeline; ability of revised system to serve the market; economics of serving the market, routing and environmental impact; technical aspects; impact on marketability of Alberta crude oil.

TRANSALTA UTILITIES CORPORATION BOW RIVER HYDRO DEVELOPMENT MODIFICATIONS

ERCB D 85-13 Mar 1985 $ 5

Application by TransAlta Utilities Corporation to increase spill capacities at Bearspaw, Cascade, and Ghost hydro developments.

Discusses background and need to increase spill capacities at these developments; specific modification proposal to increase spill capacity at Bearspaw; proposed construction schedule and effects during construction of proposed modification works at Bearspaw; consequences if no modification is undertaken at Bearspaw.

DOME PETROLEUM LIMITED GAS CYCLING SCHEME, GAS PROCESSING PLANT, SOUR GAS PRODUCTION PIPELINES, FUEL GAS PIPELINES, SOUR GAS INJECTION PIPELINE, SWEET GAS INJECTION PIPELINES - LA GLACE - WEMBLEY AREA

ERCB D 85-14 Feb 1985 $ 5

Discusses need for cycling, suitability of scheme, its effect on oil production; need for processing plant, appropriate size of plant, effect of plant on surrounding area; assessment of public interest of proceeding with deep-cut facility; incremental recovery of ethane-plus liquids; effect on Alberta's existing straddle plants and petrochemical industry; costs and benefits of ethane-plus extraction at Wembley plant; purpose and necessity of the pipelines; pipeline technical and environmental considerations.

AMOCO CANADA PETROLEUM COMPANY LTD. COMMERCIAL OIL SANDS PROJECT (PHASE 1) LINDBERGH SECTOR

ERCB D 85-15 Mar 1985 $ 5

Deals with application for approval of Phase 1 of a 3-phase commercial oil sands project in the Lindbergh sector of the Cold Lake Wabiskaw-McMurray oil sands deposit.

Discusses decision; reasons for decision.

ERCB REPORTS

ADDENDUM TO ERCB D 85-15

Mar 1985 N/C

Deals with errata and resulting changes in Sections 1, 4.10 and 6.1 of ERCB D 85-15.

Discusses reason for changes to report.

WILLIAM LUCHYK ENERGY RESOURCES CONSERVATION ACT SECTION 42 REVIEW OF A HUSKY OIL OPERATIONS LTD. REMEDIAL CEMENTING PROGRAM

ERCB D 85-16 Mar 1985 $ 5

Deals with application for review of an approved remedial cementing program to correct a surface casing vent flow from an oil well located in the Wildmere field and operated by Husky Oil Operations Ltd.

Discusses whether applicant's water well being adversely affected by oil well located in LSD 5-18-47-4 W4M; need for remedial program; need for use of acid in remedial program.

ESSO RESOURCES CANADA LIMITED APPLICATION TO PROCEED WITH PHASES V AND VI OF THE COLD LAKE PROJECT

ERCB D 85-17 May 1985 $ 5

Deals with application for approval of details respecting the implementation of Phases V and VI of Esso's Cold Lake project.

Discusses summary of details of Phases V and VI; additional fresh make-up water required during start-up period of Phases V and VI; socio-economic impacts.

CANTERRA ENERGY LTD. BIGORAY NISKU K POOL

ERCB D 85-18 May 1985 $ 5

Deals with application for order designating special drilling spacing unit for 4-10-52-8 W5M well and order establishing off-target penalty factor to be applied to oil production allowable of 02/16-4-52-8 W5M well.

Discusses background; merits of proposed change in target area status of 4-10 well; target area status of 02/16-4 well; need as conservation measure to curtail withdrawal rates from Bigoray Nisku K pool.

ERCB REPORTS

APPLICATION BY CANADIAN OCCIDENTAL PETROLEUM LTD. TO CONSTRUCT SOUR GAS, FUEL GAS, PRODUCED WATER, AND SALES GAS PIPELINE SYSTEMS

ERCB D 85-19 May 1985 $ 5

Deals with applications to construct pipelines in Mazeppa area to facilitate recovery of raw gas for processing through Mazeppa gas plant, to transport sweet natural gas for distribution, and to transport produced water to a disposal well.

Discusses need for pipeline connection of gas well located in LSD 11-17-20-28 W4M; need for electromagnetic inspection capability; completion of emergency response plan; pipeline routing through south half of LSD 22-19-28 W4M; construction practices.

ALTANA EXPLORATION COMPANY CAROLINE GAS PROCESSING PLANT

ERCB D 85-20 May 1985 $ 5

Deals with application for approval to increase sulphur dioxide emissions at Caroline gas plant.

Discusses need to increase sulphur dioxide emissions; effects to environment; future development of plant and gas reserves.

ELECTRIC GENERATION EXPANSION 1986-1991 SHEERNESS AND GENESEE POWER PLANTS

ERCB D 85-21 May 1985 $ 5

Discusses electric generating capacity requirements and timing to reliably supply projected electric load of Alberta interconnected electric system for 1986 to 1991; costs and benefits associated with deferral or non-deferral of Sheerness and Genesee units from their currently-approved commissioning dates.

MUNICIPAL DISTRICT OF FOOTHILLS NO. 31 PURSUANT TO SECTION 34 OF THE PIPELINE ACT

ERCB D 85-22 Jun 1985 $ 5

Deals with application to have Canadian Western Natural Gas lower an existing pipeline and remove a valve and vault assembly to accommodate road upgrading of secondary road 549, all at no cost to the municipality.

Discusses decision; reasons for decision.

ERCB REPORTS

RANGER OIL LIMITED RATEABLE TAKE OF GAS MAPLE GLEN UPPER MANNVILLE B POOL

ERCB D 85-23 Jun 1985 $ 5

Deals with application for a declaration to set the total withdrawal rate of gas from Maple Glen Upper Mannville B pool and to distribute gas production in an equitable manner among the wells in the pool.

Discusses delineation of pool; need for a rateable-take order.

APPLICATIONS FOR GAS REMOVAL PERMITS NORTHRIDGE PETROLEUM MARKETING, INC., SIGNALTA RESOURCES LIMITED, TRICENTROL OILS LIMITED, LAC MINERALS LTD., GASCAN RESOURCES LTD.

ERCB D 85-24 Jul 1985 $ 5

Deals with applications to remove small volumes of gas from Alberta on a short-term basis.

Discusses applications; submissions of other parties (if any); issues pertinent to applications; Board's decision.

CYANAMID CANADA INC. APPLICATION FOR GAS REMOVAL PERMIT

ERCB D 85-25 Jul 1985 $ 5

Deals with application to remove small volume of gas from Alberta on a short-term basis.

Discusses application; submissions of other parties (if any); issues pertinent to application; Board's decision.

SIMPLOT CHEMICAL COMPANY LTD. APPLICATION FOR GAS REMOVAL PERMIT

ERCB D 85-26 Jul 1985 $ 5

Deals with application to remove small volume of gas from Alberta on a short-term basis.

Discusses application; submissions of other parties (if any); issues pertinent to application; Board's decision.

APPLICATION BY THE IMPERIAL PIPE LINE COMPANY, LIMITED TO CONSTRUCT A PIPELINE AND RELATED FACILITIES AND TO AMEND EXISTING LICENCES

ERCB D 85-27 Jun 1985 $ 5

Deals with applications to construct a pipeline and related facilities between Ellerslie and Sundre, and to increase the maximum operating pressure and to reverse the direction of flow on a line between the Strathcona refinery and Ellerslie, all to transport Cold Lake blended crude bitumen to Sundre.

Discusses reasons for the project; design and capacity of the pipeline system; routing through Section 17-51-24 W4M; efficient use of easements through property of Edmonton Broadcasting Co. Ltd. in SW 1/4-28-51-24 W4M.

ERCB REPORTS

APPLICATION FOR GAS REMOVAL PERMITS POCO PETROLEUMS LTD. TRICENTROL GAS LIMITED

ERCB D 85-28 Jul 1985 $ 5

Deals with applications to remove small volumes of gas from Alberta on a short-term basis.

Discusses applications; submissions of other parties (if any); issues pertinent to applications; Board's decision.

APPLICATION FOR GAS REMOVAL PERMIT NORTHRIDGE PETROLEUM MARKETING, INC.

ERCB D 85-29 Jul 1985 $ 5

Deals with application to remove small volume of gas from Alberta on a short-term basis.

Discusses application; submissions from other parties (if any); issues pertinent to application; Board's decision.

ALBERTA GAS CHEMICALS LTD. INDUSTRIAL DEVELOPMENT PERMIT TO MANUFACTURE AMMONIA

ERCB D 85-30 Aug 1985 $ 5

Application for authorization to use 741 million cubic metres of hydrogen as raw material and 36.6 million cubic metres of natural gas as fuel annually, to produce 357 thousand tonnes of ammonia annually; amendment of IDP No. AGC 80-2.

Contains discussions of the availability and efficient use of hydrogen and natural gas in the production of ammonia; views on the marketing of ammonia; views on the impact of the project on the marketing of Alberta-produced ammonia.

WESTCOAST PETROLEUM LTD. GAS PROCESSING PLANT PIPELINE PERMIT 21538

ERCB D 85-31 Jul 1985 $ 5

Deals with application for approval to construct and operate a gas processing plant and pipeline in the Crystal field.

Discusses early conservation of gas; need for two sales gas pipelines; need for two plants; economics of one or two plants and pipelines; environmental impacts; public interest.

ALBERTA POWER LIMITED 144-KV TRANSMISSION LINE CLAIRMONT LAKE - POPLAR HILL

ERCB D 85-32 Jul 1985 $ 5

Deals with application to construct a 144-kV transmission line from Grande Prairie to a new 144/25-kV substation in the Wembley area.

Discusses background and need for facilities; approved route for transmission line and location for the substation.

ERCB REPORTS

ANDERSON EXPLORATION LTD. APPROVAL TO MODIFY EXISTING DUNVEGAN GAS PLANT TO RECOVER ETHANE-PLUS LIQUID

ERCB D 85-33 Aug 1985 $ 5

Application for approval to construct facilities to extract ethane and heavier hydrocarbons from natural gas processed in the Dunvegan field.

Discusses amount of ethane that would be recovered by proposed facilities that would be incremental to provincial supply; present and future markets for ethane that would be recovered (supply/demand); comparison of cost of ethane recovered at proposed facility with costs at other facilities; impact on straddle plant system and petrochemical industry; economic impacts on affected parties and on overall public interest; impact on potential for enhanced oil recovery; degree of upgrading of resources; conservation and environmental aspects; Board's findings and conclusions.

MANALTA COAL LTD. CORDEL AREA APPLICATION FOR REPLACEMENT OF MINE LICENCE NO. C 84-18

ERCB D 85-34 Aug 1985 $ 5

Application for replacement licence to continue mining coal for Battle River generating plant.

Discusses status of coal and gas development in area; timing of acquisition of interests and preferential access to resources; reservoir and deliverability forecast for gas well; conflict between coal and gas development; achieving orderly, efficient, and economic development.

APPLICATIONS BY NORTHRIDGE PETROLEUM MARKETING, INC., SIGNALTA RESOURCES LIMITED, AND TRICENTROL OILS LIMITED FOR GAS REMOVAL PERMITS TO EXPORT GAS FROM ALBERTA

ERCB D 85-35 $ 5
GR 85-1

Nov 1985

Deals with applications for three gas removal permits to export a total of 415.6 million m^3 of gas from Alberta for sale to N-Ren Corporation of Ohio, Illinois, U.S.A.

Discusses summaries of the applications; economic costs and benefits analyses; possible effect of the proposed gas removal on certain regulatory authority proceedings in the U.S.A.; possible effect of the proposed sale on renegotiation of "firm-gas" contracts between Canadian suppliers and U.S. buyers; decision.

ERCB REPORTS

MURPHY OIL COMPANY LTD. COMMERCIAL OIL SANDS PROJECT (PHASE 1) LINDBERGH SECTOR

ERCB D 85-36 Aug 1985 $ 5

Deals with application for approval of Phase 1 of a commercial oil sands project in Lindbergh sector of the Cold Lake oil sands area.

Discusses pad size and design; size of transportation/utilities right of way; overhead electric power distribution; drilling mud disposal; reclamation; other general concerns.

MAYNARD ENERGY INC. APPLICATION FOR A WELL LICENCE POUCE COUPE FIELD

ERCB D 85-37 Sep 1985 $ 5

Discusses the need for the well; the surface location of the well and access road, and the impact on farming operations.

PUBLIC MEETING TO CONSIDER LANDS INCLUDED IN CITY OF CALGARY SOUR GAS CONSTRAINT AREA

ERCB D 85-38 Sep 1985 $ 5

Discusses ERCB's role in providing information regarding sour gas reserves and facilities to planning authorities; reduction of the "sour gas constraint" area in southeast Calgary.

ALBERTA ENERGY COMPANY LTD. AND COMINCO CHEMICALS AND FERTILIZERS INDUSTRIAL DEVELOPMENT PERMIT TO MANUFACTURE AMMONIA

ERCB D 85-39 Nov 1985 $ 5

Deals with an application for authorization to use 768 x 10^6 m^3 of hydrogen as raw material and 14.1 x 10^6 m^3 of natural gas as fuel annually, to produce approximately 350 x 10^3 tonnes per year of anhydrous ammonia at a new plant to be constructed near Joffre.

Discusses availability and efficient use of feedstock and fuel; marketing of ammonia; economic impacts; plant location; agricultural impact; environmental and social impacts.

APPLICATIONS BY WESTRIDGE PETROLEUM CORP. AND WESTERN COMPRESSION SYSTEMS LTD. FOR APPROVAL OF COMPETING GAS CONSERVATION AND PROCESSING SCHEMES IN THE PREVO-CYGNET AREA

ERCB D 85-40 Nov 1985 $ 5

Deals with each of the competing applications, the size and nature of each plant, and its related gas gathering system.

Discusses the need for gas processing facilities in the Prevo-Cygnet area; the need to ensure efficiency and orderly development of this area; the need for avoiding proliferation of gas plants and the duplication of gas gathering systems in this area; the appropriate location and size of a gas plant to serve this area; effects of the gas plant on the surrounding area.

DOME PETROLEUM LIMITED
LINDBERGH COMMERCIAL PROJECT

ERCB D 85-42 Nov 1985 $ 5

Deals with an application for approval of a commercial scheme for the recovery of crude bitumen from the Cold Lake oil sands deposit in the Lindbergh sector; an application for a scheme to dispose of water produced in association with the initial development of the project; preliminary matters, request for adjournment; reasons for the decision.

MEMORANDUM OF DECISION
PROCEDURES MEETING
APPLICATION 851037

EXPLORATORY WELL PROPOSED BY SHELL
FOR JUTLAND (CASTLE RIVER SOUTH) AREA

Nov 1985 N/C

Deals with an application by Shell Canada Resources Limited for a licence to drill a well from a surface location in LSD 2-10-3-2 W5M; the results of a public meeting which discussed the procedures to be used in handling the application.

Reviews need for hearing; terms of reference for hearing; need for additional information; timing of availability of additional information and of the hearing; interveners' costs.

NON-ERCB REPORTS

A REPORT BY THE ALBERTA PETROLEUM INDUSTRY GOVERNMENT ENVIRONMENTAL COMMITTEE ON HYDROGEN SULPHIDE ISOPLETH PREDICTION, PHASE I, MODEL SENSITIVITY STUDY

Dec 1978 — $ 6

Sensitivity of the location of the calculated 100 ppm and 500 ppm potential H_2S isopleths for major parameters in:

(1) a numerical dispersion model
(2) a Gaussian puff dispersion model

A REPORT BY THE ALBERTA PETROLEUM INDUSTRY GOVERNMENT ENVIRONMENTAL COMMITTEE ON HYDROGEN SULPHIDE ISOPLETH PREDICTION, PHASE II, PIPE BURST STUDY

Apr 1979 — $ 15

Field determination (rupturing of air-pressured pipelines) of dispersion model input parameters for calculation of the 100 ppm and 500 ppm potential H_2S isopleths; details of photography, meteorology, and flow measurement; analysis showed release rate simulations to be within experimental error; plume rise from vertical jets to be two to three times higher than present estimates; low level distributed line source or volume source to approximate most accurately a "worst case" pipeline rupture.

A REPORT BY THE ALBERTA INDUSTRY GOVERNMENT SOUR GAS ENVIRONMENTAL COMMITTEE ON GUIDELINES FOR URBAN DEVELOPMENT IN RELATION TO THE SOUR GAS INDUSTRY

Oct 1974 — $ 3

Areas of encroachment between urban centres and oil or gas pools containing more than 1% hydrogen sulphide (sour gas); toxicology of hydrogen sulphide and sulphur dioxide; recent sour gas line breaks and blowouts; regulatory restrictions; recommendations for limiting urban development.

A STUDY OF LAND USE AND SOUR GAS OKOTOKS - HIGH RIVER

Feb 1983 — $6.50

Authors: Makale & Kyllo Planning Associates Ltd.

Report discusses: local, regional and provincial planning policies and resource development; existing and future land use in the Okotoks-High River area; existing and potential sour gas development in the Okotoks-High River area; impact of sour gas on other land uses in the study area; means of land use conflict resolution.

AIR MONITORING DIRECTIVE (AMD-81-1)(OIL AND GAS INDUSTRY)

Feb 1982

Published by Alberta Environment — N/C

NON-ERCB REPORTS

CSA STANDARDS, PIPELINES AND PIPING

A selected number of standards published by the Canadian Standards Association are sold by the Board.

GAS PIPELINE SYSTEMS	
Z184-M 1983	$ 36
SUPPLEMENT NO. 1 - 1985	$ 8
OIL PIPELINE TRANSPORTATION SYSTEMS	
Z183-M 1982	$ 36
STEEL LINE PIPE	
Z245.1-M 1982	$ 33
STEEL VALVES FOR OIL AND GAS PIPELINE SYSTEMS	
Z245.15-M 1981	$ 33
REQUIREMENTS FOR WROUGHT STEEL BUTTWELDING FITTINGS AND FLANGES	
Z245.10-M 1979	$ 15
ALUMINUM PIPE AND PRESSURE PIPING SYSTEMS	
Z169-M 1978	$ 26
DEFINITIONS, GENERAL REQUIREMENTS, AND METHODS OF TESTING FOR THERMOPLASTIC PRESSURE PIPING	
B137.0-M 1981	$ 14
POLYETHYLENE PIPING SYSTEMS FOR GAS SERVICE	
B137.4-M 1977	$ 9.50

ENVIRONMENTAL IMPACT ASSESSMENT GUIDELINES

Feb 1977 — N/C

Published by Alberta Environment

GAS PROCESSING PLANTS WASTE WATER MANAGEMENT STANDARDS

Sep 1973 — N/C

Published by Alberta Environment

NON-ERCB REPORTS

GUIDELINES FOR THE RECLAMATION OF LAND IN ALBERTA

Dec 1977 — N/C

Published by Alberta Environment

GUIDELINES ON THE USE AND ACCEPTABILITY OF OIL SPILL DISPERSANTS

2nd edition
Mar 1984 — N/C

Published by Environment Canada

INTERIM GUIDELINES HISTORICAL RESOURCES IMPACT ASSESSMENTS

Mar 1977 — N/C

Published by Alberta Culture

NEGOTIATING SURFACE RIGHTS

Sep 1982 — N/C

Published by Alberta Agriculture
(Farmers' Advocate)

For related material see Guide G-17-2, page 26.

STACK SAMPLING CODE

1976 — N/C

Published by Alberta Environment

THE LAND CONSERVATION AND RECLAMATION COUNCIL (LCRC)

May 1982 — N/C

Published by Alberta Environment and Alberta
Energy and Natural Resources

OIL SANDS BITUMEN EXTRACTION PROCESS EVALUATION

Mar 1984 — $ 50

(Authors: Dynawest Projects)

Prepared for the Energy Resources Conservation Board, the study evaluated alternative processes for extraction of bitumen from mined oil sands. A preliminary technical evaluation of possible processes was first undertaken and then selected processes were subjected to detailed evaluation.

The final report of the investigation concluded that, of the processes considered, the Taciuk process being developed by UMATAC Industrial Processes Ltd. appears to have favourable long-term potential, while a process being developed by the Syncrude Consortuim - Two Stage Flotation - would be advantageous and could be placed in commercial use in a relatively short time frame.

NON-ERCB REPORTS

REPORT ON SYNCRUDE CANADA LIMITED

Mar 1978 — N/C

Prepared by the Federal-Provincial Air/Atmospheric Committee

INFORMATION REQUIREMENTS FOR REGULATED PIPELINES

Apr 1982 — N/C

Published by Alberta Environment

A TRACE ELEMENT EMISSION STUDY AT SELECTED SOUR GAS PLANT INCINERATOR STACKS IN THE PROVINCE OF ALBERTA

Jun 1983 — N/C

Published by The Industrial Research Institute of the University of Windsor, Ontario

Deals with the scientific methodology and results of a survey for the emission of twenty-nine trace elements from sour gas plant incinerator stacks. It is issued in two (2) volumes.

Discusses: Volume 1 - Strachan (Gulf Canada Resources Inc.)
Ram River (Canterra Energy Ltd.)
Jumping Pound (Shell Canada Resources Ltd.)

Volume 2 - Waterton (Shell Canada Resources Ltd.)
Pincher Creek (formerly Gulf Canada Resources Inc.)

FINAL REPORT SAGE PINCHER CREEK HEALTH STUDY

Jun 1983 — N/C

Published by Sage Institute, Edmonton, Alberta

A four-volume analysis of factors associated with the health of residents in the Pincher Creek/Twin Butte areas of southern Alberta.

Volume 1 available; Volumes 2, 3, and 4 are for viewing only.

SAFE PROCEDURES FOR PIPELINE & UTILITY CROSSINGS

Dec 1985
Two formats available: - 8 1/2" x 11" — $ 10
- pocket size — $ 10

Published by Edmonton Area Pipeline and Utility Operators Committee.

An industry-generated office guide or field handbook for engineers, owners, operators, contractors, and inspectors for planning and executing construction near existing pipelines and underground cables.

MAPS

ERCB MAPS

Types of Maps

The Board makes available a selection of maps related to energy and energy resource development in Alberta.

Construction and Topographic Information

The polyconic projection method of construction is employed wherever possible. Topographic information is obtained from planimetric maps issued by the Department of Energy and Natural Resources, Province of Alberta.

Special Requests

Maps are usually issued as blueline prints. Sepia prints are available upon special request at five times the blueline cost, plus handling.

How to Order

Include:

- your company name, address and telephone number
- your personal name as authorization
- name of map, scale, and price
- number of prints
- cheque, money order, or current ERCB Account number
- if to be mailed or picked up

Calgary customers: please pick up orders from the Maps and Publications desk.

Order From

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Energy Resources Conservation Board
640 5 Avenue SW
Calgary, Alberta
T2P 3G4
Telephone 297-8328

Terms of Payment

Enclose cheque or money order in Canadian funds payable to the Energy Resources Conservation Board.

Purchase orders, with your current ERCB Account number, are also accepted.

Postage and Handling

All orders mailed or shipped are charged for postage and handling. All orders are sent airmail.

Canada and U.S.A.: add 20% to cost of order.
Overseas: add 30% to cost of order.

OIL, GAS AND PIPELINE MAPS

			Scale	Size cm	Price each
DESIGNATED OIL AND GAS FIELDS AND OIL SAND DEPOSITS, MAIN PIPELINES, REFINERIES AND GAS PROCESSING PLANTS[e]			1:1 250 000[a]	66x106	$ 10[d]
			1:2 500 000	33x53	$ 5[d]
colour	as at Dec 31				
ALBERTA GAS STRIKE AREAS			1:750 000	107x170	$ 15
	Apr 1985 Updated annually				
Includes alphabetical index of all current strike areas, official abbreviations, and their locations. Map shows Board's official area designations.					
MAIN HIGH VAPOUR PRESSURE PIPELINES IN ALBERTA[e]			1:750 000	107x170	$ 15
	Updated annually				
OIL AND GAS FIELDS AND MAIN PIPE LINES IN ALBERTA[e]	$135[b]	$170[c]	1:750 000	107x170	$ 15
ERCB 85-60	Updated monthly				
MAIN GAS PIPE LINES IN ALBERTA[e]	$135[b]	$170[c]	1:750 000	107x170	$ 15
ERCB 85-61	Updated monthly				

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[a] Included in "Alberta's Reserves of Crude Oil, Gas, Natural Gas Liquids and Sulphur", ERCB ST 85-18.

[b] Annual subscription - pick up.

[c] Annual subscription - mailed.

[d] Includes attachment showing location of Alberta gas fields, gas strike areas, and oil fields.

[e] For related material, see Pipelines, page 78.

OIL, GAS AND PIPELINE MAPS

		Scale	Size cm	Price each
MAIN PIPELINES - EDMONTON AREA[e]	Aug 1985	1:40 000	122x103	$ 10

Also available from: The City of Edmonton
Engineering Dept.
Supervisor Drafting
12th Flr., Century Place
9803 102A Avenue
Edmonton, Alberta
T5J 3A3
Telephone 428-2856

TABLE OF FORMATIONS, ALBERTA

		Size cm	Price each
Blueline	Dec 1984	56x87	$ 2
Small print	Dec 1984	28x43	N/C

[e] For related material, see Pipelines, page 78.

COAL MAPS

	Scale	Size cm	Price each
COAL IN ALBERTA, NORTH HALF	Fig 1B[a]		
Dec 1984	1:750 000	64x96	$ 12 per set
colour			
COAL IN ALBERTA, SOUTH HALF	Fig 1A[a]		
Dec 1984	1:750 000	64x96	
colour			
MAJOR COAL-BEARING FORMATIONS IN ALBERTA	Fig 2A[a]		
Dec 1983	1:2 500 000	28x41	$ 3.50
colour			
COAL MINES AND POTENTIAL COAL DEVELOPMENT AREAS			
Blueline Mar 1985	1:750 000	107x170	$ 15
COAL DRILLHOLE LOCATIONS			
Blueline Aug 1984	1:750 000	107x170	$ 10

[a] Indicates figure number in "Reserves of Coal, Province of Alberta", ERCB ST 85-31.

GEOLOGICAL MAPS

Note: For areas specified, see index map page 64.

STRUCTURE OF THE BASE OF FISH SCALE HORIZON

Upper Cretaceous - Lower Cretaceous contact

Blueline prints

	Date[a]	Scale	Size cm	Price each
Entire Province	Jul 1965	1:1 000 000	140x84	$ 15
Area 1	Jun 1976	1:250 000	137x78	$ 15
Area 2	Aug 1969	1:250 000	137x78	$ 15
Area 4	Aug 1969	1:250 000	137x78	$ 15
Area 5	Aug 1969	1:250 000	137x78	$ 15
Area 6	Jun 1976	1:250 000	137x78	$ 15
Area 8	Aug 1969	1:250 000	137x78	$ 15
Area 9	Aug 1969	1:250 000	137x78	$ 15
Area 10	Aug 1969	1:250 000	137x78	$ 15
Area 11	Aug 1969	1:250 000	137x78	$ 15
Area 15	Aug 1969	1:250 000	137x78	$ 15
Northern Alberta north of twp 90	Sep 1975	1:500 000	97x76	$ 15

[a] Date of publication; information on maps is current to approximately one year prior to publication; confidential information is not included.

INDEX MAP OF AREAS FOR GEOLOGICAL MAPS
ALBERTA

GEOLOGICAL MAPS

Note: For areas specified, see index map opposite.

PALEOZOIC SURFACE MAPS

Blueline prints

	Date[a]	Scale	Size cm	Price each
Area 1	Feb 1975	1:250 000	137x74	$ 15
Area 2	Jun 1978	1:250 000	137x66	$ 15
Area 4	Jul 1977	1:250 000	137x74	$ 15
Area 5	Jan 1976	1:250 000	137x74	$ 15
Area 6	Jun 1978	1:250 000	137x66	$ 15
Area 8	Mar 1977	1:250 000	137x66	$ 15
Area 9	Feb 1978	1:250 000	137x66	$ 15
Area 10	Oct 1977	1:250 000	137x66	$ 15
Area 11	Mar 1977	1:250 000	137x66	$ 15
Area 15	Mar 1973	1:250 000	157x74	$ 15
Northern Alberta north of twp 90	Jul 1978	1:500 000	91x97	$ 15

[a] Date of publication; information on maps is current to approximately one year prior to publication; confidential information is not included.

OIL SANDS AREA MAPS

WELL LOCATION MAPS

Show location and status of conventional wells and location of non-confidential oil sands evaluation holes; revised monthly; blueline prints only.

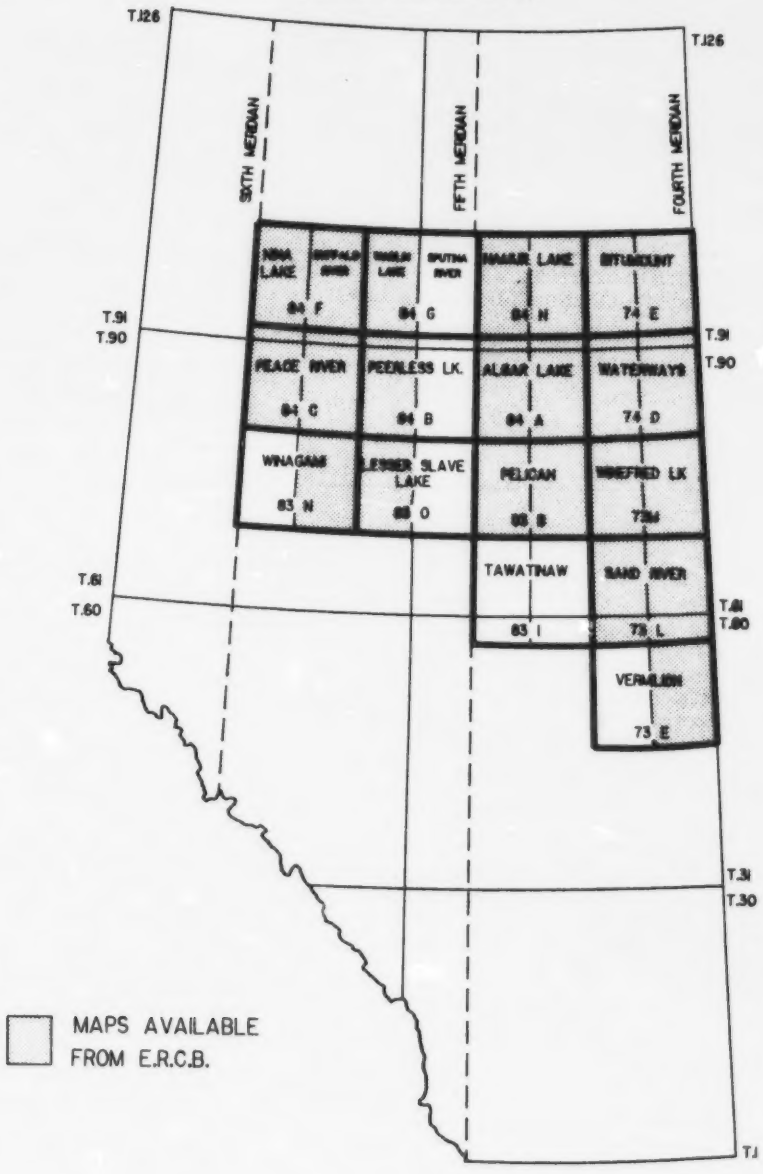
Note: For areas specified, see index map opposite.

National Topographic System		Scale	Size cm	Price each
Vermilion East	73-E-E/2	1:100 000	77x122	$ 10
Sand River East	73-L-E/2	1:100 000	77x122	$ 10
Sand River West	73-L-W/2	1:100 000	77x122	$ 10
Winefred Lake East	73-M-E/2	1:100 000	77x122	$ 10
Winefred Lake West	73-M-W/2	1:100 000	77x122	$ 10
Waterways East	74-D-E/2	1:100 000	77x122	$ 10
Waterways West	74-D-W/2	1:100 000	77x122	$ 10
Bitumount East	74-E-E/2	1:100 000	77x122	$ 10
Bitumount West	74-E-W/2	1:100 000	77x122	$ 10
Winagami	83-N-E/2	1:100 000	77x122	$ 10
Lesser Slave Lake West	83-O-W/2	1:100 000	77x122	$ 10
Pelican East	83-P-E/2	1:100 000	77x122	$ 10
Pelican West	83-P-W/2	1:100 000	77x122	$ 10
Algar Lake East	84-A-E/2	1:100 000	77x122	$ 10
Algar Lake West	84-A-W/2	1:100 000	77x122	$ 10
Peerless Lake	84-B-W/2	1:100 000	77x122	$ 10
Peace River East	84-C-E/2	1:100 000	77x122	$ 10
Peace River West	84-C-W/2	1:100 000	77x122	$ 10
Buffalo River	84-F-E/2	1:100 000	77x122	$ 10
Nina Lake	84-F-W/2	1:100 000	77x122	$ 10
Wadlin Lake West	84-G-W/2	1:100 000	77x122	$ 10
Namur Lake East	84-H-E/2	1:100 000	77x122	$ 10
Namur Lake West	84-H-W/2	1:100 000	77x122	$ 10

OIL SANDS MAPS

MAPS FOR OIL SANDS DEPOSIT AREAS

(NAMES FROM N.T.S. MAPS)



ELECTRICITY MAPS

	Scale	Size cm	Price each
ALBERTA ELECTRIC SYSTEM, 1984 ELECTRIC TRANSMISSION LINES, ELECTRIC GENERATING STATIONS AND UTILITY SERVICE AREAS[a]	1:1 500 000	58x92	$ 4
colour			
ALBERTA ELECTRIC SYSTEM, 1984 EDMONTON, RED DEER AND CALGARY AREAS[a]	1:2 500 000	58x80	$ 4

MISCELLANEOUS MAPS

	Size cm	Price each
CALCULATING SUBSURFACE PRESSURE VIA FLUID-LEVEL RECORDERS Three charts (each chart $10) for estimating the pressure exerted by oil and gas columns	66x94	$ 10
RURAL GAS UTILITY FRANCHISE AREAS Published by Alberta Utilities and Telecommuncations (U&T) Apr 1984	54x87	$ 4

[a] See "Alberta Electric Industry, Annual Statistics", ERCB ST 85-28.

SERVICES

ERCB SERVICES

Types of Services Available	Oil, gas, pipeline, and coal and hydro and electric records and documents at the Records Centre. Core and drill cuttings samples at the Core Research Centre. Oil and gas well data, coal hole logs and pipeline plats on microfilm subscription. Oil, gas, oil sands and coal data on CRT at the Records Centre. A selection of computer-processable data files. Update services for files are available on subscription.
Confidentiality	In general, only non-confidential material is available. Letter of release from the licensee is accepted for confidential material at Core Research Centre and Records Centre.
Prices	Services are provided on a non-profit basis; Records Centre prices are composed of a retrieval fee per file, plus reproduction costs. Other services are provided at fixed prices, as listed. Certain projects in the Records Centre may require clerical charges, at $13 per hour.
Terms of Payment	Quote or enclose current ERCB account number, money order or cheque in Canadian funds, payable to the Energy Resources Conservation Board. Purchase orders, with your current ERCB account number are also accepted. Customers who are unable to quote their current ERCB account number must pay cash at the Records Centre when the order is picked up. All accounts are invoiced monthly.
Hours of Service	Records Centre: weekdays 8:00 am to 12:00 noon and 1:00 pm to 4:00 pm From 12:00 noon to 1:00 pm service is limited to placement and pick up of orders only. Core Research Centre: weekdays 8:00 am to 4:00 pm.
Postage and Handling	All orders mailed or shipped are charged for postage and handling. All orders are sent airmail. Canada and U.S.A.: add 20% to cost of order. Overseas: add 30% to cost of order.
Order From	Records Centre Telephone 297-8190

INFORMATION SERVICES - RECORDS CENTRE

Analyses and Tests

Request by unique identifier (well location).

- Core analyses

Conventional Wells

Individual well:	$ 3.00/well
Plus copies (paper/diazo):	.30/pg or diazo
Complete sets are available only on diazo	$11 000.00
Updating service for complete sets: Annual subscription monthly	$ 400.00
Computer Tape - Core Analysis File	$18 000.00

Basic non-interpretative data for approximately 33 000 non-confidential analyses; oil sands analysis may be included; data may be retrieved on the basis of field/pool, oil sands area/ deposit, rectangular geographical areas designated by legal descriptions of north-west and south-east corners; new file format with data originating from the Board's Data Base.

Updating service for computer tapes:
Annual subscription for full file update

- Monthly	$ 2600/yr
- Quarterly	1800/yr
- Semi-Annually	1600/yr
- Annually	1500/yr

Oil Sands Evaluation Wells

Individual wells:	$ 3.00/well
Plus copies (paper only):	.30/pg

- Fluid Analyses, oil, gas, water

Conventional Wells

Individual well:	$ 3.00/well
Plus copies (paper/diazo):	.30/pg or diazo
Complete sets are available only on diazo with 2 indices (ERCB ST 85-6).	$ 350.00

Partial sets are available only on diazo including indices:

- Oil	$ 145.00
- Gas	170.00
- Water	195.00

Updating service for complete or partial sets: Annual subscription issued monthly	$ 200.00

INFORMATION SERVICES - RECORDS CENTRE

Computer Tape - Individual Well Gas Analysis	$ 2500.00
Gas analysis data by zone on some 18 000 non-confidential wells; compositional breakdown of gas, associated liquids and recombined analysis, test date, test source, and basic well information.	
Updating service for computer file Per copy	$ 250.00
Computer Tape - Pool Average Gas Analysis File	$ 2500.00
Individual pool average gas analysis data on some 17 000 non-confidential pools; compositional breakdown of non-associated, associated, and solution gas, reserve type, pool status, remaining reserves, and basic pool information.	
Updating service for computer tape Per copy	$ 250.00
Both files	$ 3000.00
Updating service for computer tape Per copy	$ 500.00
Oil Sands Evaluation Wells	
Individual wells: Plus copies (paper only):	$ 3.00/well .30/pg

- Drill Stem Tests (DST)

Conventional Wells	
Individual well: Plus copies (paper/diazo):	$ 3.00/well .30/pg or diazo
Complete sets are available only on diazo	$13 200.00
Updating service for complete sets: Annual subscription issued weekly.	$ 600.00
Oil Sands Evaluation Wells (Wireline tests)	
Individual wells: Plus copies (paper only):	$ 3.00/well .30/pg

- Absolute Open Flow Tests (AOF)

Individual well: Plus copies (paper/diazo):	$ 3.00/well .30/pg or diazo
Complete sets are available only on diazo	$ 8700.00
Updating service for complete sets: Annual subscription issued weekly.	$ 2000.00

INFORMATION SERVICES - RECORDS CENTRE

Computer Tape - Gas Well AOFP/ Pressure File	$ 5000.00
Absolute Open Flow Potential (AOFP) test and pressure test data collected on some 15 000 wells; includes basic well information as well as test date, pressures, temperatures, shut-in period, flow rate, flow duration, test type, and other information on individual tests; contains approximately 170 000 card-image records.	
Updating service for computer file (upon request) Per copy	$ 500.00
Computer Tape - Pool AOFP File	$ 2500.00
Average pool AOFP on producing wells, shut-in wells and infill wells; N values of AOFP; number of producing wells, shut-in and infill wells; reserve type, field code, pool code, and pool sequences; contains approximately 18 000 card-image records.	
Updating service for computer file (upon request) Per copy	$ 250.00
Computer Tape - Subsurface Pressure Data File	$ 100.00/copy
Non-confidential subsurface pressure data for oil wells for a calendar year; tabulated pressure data to establish datum depth of pool. See Subsurface Pressure Data, Quarterly Update, ERCB ST 85-9 (microfilm).	
- Bottom-Hole Pressure Surveys (Oil) - Gas Well Pressure Surveys (data sheets) - Production Tests - Pressure-Volume-Temperature Studies (PVT) - Reservoir Fluid Analyses - Wireline Tests Individual well for each type of data: Plus copies (paper only):	$ 3.00/well .30/pg
Updating service for computer tape (upon request)	$ 500.00

INFORMATION SERVICES - RECORDS CENTRE

Applications to the Board

Request by application number.

- the application
- submissions and/or interventions
- notice or notice of hearing
- exhibits from the hearing, if any
- approval or decision
- transcripts, if available (viewing only)

Individual application:	$	3.00/application
Plus copies (paper/diazo):		.30/pg or diazo

Note:
Prior to a hearing, copies of the application are to be obtained from the applicant. Transcripts of hearings are to be ordered from the Provincial Court reporters in area of hearing.

Approvals

Request by number.

If less than 1 month old (paper only)		N/C
Individual approval over 1 month old:	$	3.00/document
Plus copies (paper/diazo):		.30/pg or diazo
Complete sets are available only on diazo	$	1000.00
Updating service for complete sets: Annual subscription issued monthly.	$	100.00

INFORMATION SERVICES - RECORDS CENTRE

Board Orders

Request by number (* by field/area).

If less than 1 mo. old (paper only) — N/C

Individual order over 1 month old: — $ 3.00/document
Plus copies (paper/diazo): — .30/pg or diazo

Complete sets are available only on diazo:

*CF	Coal Field Boundary	$ 23.00
CO	Local Interveners' Costs	35.00
*F	Field Boundary	375.00
FH	Fire Hazard	5.00
*G	Pool Boundary	425.00
GA	Gas Allowable	43.00
GB	Gas Bitumen	5.00
GC	Gas Conservation	33.00
GE	Gas Measurement Exemption	6.00
GTO	Geological Target Order	9.00
IW	Infill Wells	6.00
L	Leduc	6.00
LL	Lloydminster	6.00
MD	Market Demand	190.00
*MDS	Allowable Transfer	75.00
MH	Medicine Hat	50.00
MISC	Miscellaneous	63.00
MISC-HE	Miscellaneous Hydro & Electric	9.00
MISC-PL	Miscellaneous Pipeline	8.00
MU	Multi Unit (Commingled Production)	88.00
O	Operator	48.00
OSA	Oil Sands Area Boundary	5.00
OSD	Oil Sands Deposit Boundary	5.00
P	Pooling Tract	5.00
R	Redwater	5.00
*SU	Spacing Unit	171.00
TVU	Turner Valley Unit	5.00
W	Water Disposal	95.00

Updating service for all above orders for complete sets (Annual subscription issued monthly):

F	Field Boundary	75.00
G	Pool Boundary	290.00
MU	Multi Unit (Commingled Production)	16.00
MISC	Miscellaneous	21.00
SU	Spacing Unit	75.00
All Others		10.00

- Approvals - request by approval number
  Individual approval: — $ 3.00/approval
  Plus copies: — .30/pg

- Permits & Licences - request by permit and/or licence number
  Individual approval: — $ 3.00/approval
  Plus copies: — .30/pg

INFORMATION SERVICES - RECORDS CENTRE

Coal Exploration Drill Holes

- **Lists - request by township and range.**
  Each hole is described by exploration company, section number and location within section, depth of hole, date of completion, and whether logs are available.

Individual township:	$	3.00/twp
Plus copies (paper only):		.30/pg

  Logs - request by unique identifier (hole location).
  Includes drillers, geophysical and core descriptions. Available only when released from confidential status.

Individual hole:	$	3.00/hole
Plus copies (paper/diazo):		.30 pg or diazo
		1.00/metre

- **Computer Tape** - Coal Hole Data File $ 4000.00

  Coal hole identification, location and description data for approximately 40 000 drill holes in Alberta; non-confidential data only; includes coal hole identification, co-ordinates, ground elevation, drill date, company, logs run, deviation, outcrop, excavation and coal analysis data.

  Updating service for computer tape:
  Annual subscription for full file update

- Monthly	$	1200.00/yr
- Quarterly		400.00/yr
- Semi-Annually		200.00/yr
- Annually		100.00/yr

- **Computer Tape** - Coal Code Conversion $ 120.00

  Interpretation of coded data from the Board's Data Base; codes, names and abbreviations for such data as company name and address, coal rank and type, mining method etc; for the purpose of printing coal-related reports requiring translation of coded data.

  Updating service for computer tape:
  Annual subscription for full file update

- Monthly	$	1200.00/yr
- Quarterly		400.00/yr
- Semi-Annually		200.00/yr
- Annually		100.00/yr

Coal Mines

- **Abandoned Mine Plans - request by mine number.**

Individual mine:	$	3.00/mine
Plus copies (paper/diazo):		.30/pg or diazo

  Information on operating mines is only available with written permission of the operating company.

INFORMATION SERVICES - RECORDS CENTRE

- Computer Tape - Coal Mine File $ 500.00

Mine identification, location, production and coal analysis data for approximately 1700 mines in Alberta; non-confidential data only; sequenced in order of ascending mine location.

Updating service for computer tape: $ 100.00/yr
Annual subscription for full file update issued annually.

Drilling Data

- Conventional wells - request by unique identifier.

- application for licence to drill, suspend or abandon a well
- well licence
- survey plat
- completion details
* - drilling details (elevation, status, etc)
- geological markers and tops of formations
o - logs
* - tour reports

Individual well, for each type of data:	$	3.00/well
Plus copies (paper/diazo):		.30/pg or diazo
o Paper copy		1.00/metre
* Paper only		.30/pg

- Computer Tape - Drilling Well Data File $ 3000.00

Annual subscription issued weekly.

Data on new drilling wells, wells being re-worked; well status changes; field-pool changes; corrections to previously reported data; basic, descriptive well data used to produce ERCB ST 85-2 "Alberta Drilling Progress and Pipeline Receipts, Weekly Report"; approximately 2000-5000 records.

- Computer Tape - General Well Data File $44 000.00

Basic drilling data for approximately 110 000 oil, gas, oil sands and water wells; includes such data as licensing, formation tops and markers, log, dst, casing and cementing, perforations and treatments, plug back and abandonment and well status history; data may be retrieved on the basis of field/pool, oil sands area/deposit, record type, rectangular geographical areas designated by legal descriptions of north-west and south-east corners and/or licensee code and finish drill date; data resident on the Board's data base; format superceeds the General Well Data Master File, Licensing Tape and the Oil Sands Well Data File.

Updating service for computer tape
Annual subscription issued:

- Monthly	$ 5200.00/yr
- Quarterly	4400.00/yr
- Semi-Annually	4200.00/yr
- Annually	4100.00/yr

Retrieval service	$ .40/CPA-ID
Minimum retrieval charge	600.00

Subscription update service is available for a part-file selection by record type only, update price is based on the number of records selected and will be a fixed annual fee dependent on update frequency.

- Computer Tape - General Well Administration File $12 500.00

A subset of the General Well Data File which includes licensing, basic drilling and well status history data; data may be retrieved on the basis of field/pool, oil sands area/deposit, rectangular geographical areas designated by legal descriptions of north-west and south-east corners and/or licensee code and finish-drill-date; approximately 110 000 wells.

Updating service for computer tape
Annual subscription issued:

- Monthly	$ 2050.00/yr
- Quarterly	1250.00/yr
- Semi-Annually	1050.00/yr
- Annually	950.00/yr

Retrieval service	.10/CPA-ID
Minimum retrieval charge	300.00

No subscription service available for part-file selection.

- Computer Tape - Basic Well Code Conversion File $ 120.00

Interpretation of coded data from the Board's Data Base; code names and abbreviations for such data as field/pool, oil sands area/deposit, company name and address (for operators, licencees, agents, drilling contractors), area office; for the purpose of printing reports requiring the translation of coded data.

Updating service for computer tape
Annual subscription issued:

- Monthly	$ 1200.00/yr
- Quarterly	400.00/yr
- Semi-Annually	200.00/yr
- Annually	100.00/yr

INFORMATION SERVICES - RECORDS CENTRE

	- Computer Tape - List of Wells in Alberta (ERCB ST 85-37)	$	100.00/copy
	For all oil, gas, oil sands experimental and evaluation wells drilled; identifier, well name, field or oil sands area, pool or oil sands deposit, licence number, licence date, licencee and agent code, finish drill date; well total depth, current well status and status date; in order of ascending CPA-ID; available monthly, quarterly, semi-annually or annually.		
	- Oil Sands Evaluation Wells - request by unique identifier.		
	- well and drilling details - logs		
	Individual well for each type of data: Plus copies (paper only):	$	3.00/well .30/pg
Pipelines	Permits and Licences - request by permit or licence number.		
	Individual permits or licences:	$	3.00/permit or licence
	Plus copies (paper/diazo):		.30/pg or diazo
	Pipeline location plats (excludes low-pressure gas distribution lines) - request by township and range.		
	Individual township and range:	$	3.00/twp
	Plus copies (paper or diazo):		.30/pg or diazo
	Paper copy for use as base plan in permit or licence application:	$	.50/pg
	Complete sets are available only on diazo.	$	1600.00
	Updating service for complete sets: Annual subscription issued daily.	$	2300.00/yr
	Pipeline location plats - request by Co-op name.		
	Made available in conjunction with Alberta Utilities and Telecommunications. Shows gas co-op and county gas distribution systems.		
	Individual Co-ops: Plus copies (paper only):	$	3.00/Co-op .30/pg

INFORMATION SERVICES - RECORDS CENTRE

	Computer Tape - Pipeline File	$10 000.00
	Complete file of information on pipeline permits and licences, tests, status, construction, and specifications; experimental pipelines not included; contains approximately 20 000 permits/ licences on one 1200-foot tape reel.	
	Retrieval service	$ 1.00/permit or licence
	Minimum retrieval charge Retrieval may be requested by permit/licence number or operator.	150.00
	Updating service for computer tape: Annual subscription issued quarterly.	$ 1000.00
	Updating service for retrieval service:	$ 1.00/permit or licence
	Minimum retrieval service	$ 150.00
Production - History or Current	Well production - request by unique identifier.	
	Individual well production prior to 1962: Plus copies (paper/diazo):	$ 3.00/well .30/pg or diazo
	Individual well production 1962 to date: Plus copies (paper only):	$ 3.00/well .30/pg
	Complete set 1962 to date is available only on diazo (ERCB ST 85-8). Annual subscription issued monthly	$ 700.00
	Each additional subscription Year-end only	$ 350.00 350.00
	Computer Tape - Historical Well Production-Injection and Well Control Data Files (one copy of each file).	$ 7000.00
	Historical file includes all production and injection data by month for all Alberta wells, 1962 to date. Adjustments have been applied retroactively. Control data is current; approximately 700 000 variable-length records.	
	Control data file includes selected control data (well name, field and pool codes interpretation, etc) for retrieval and print-out of well data from the Historical file; approximately 65 000 short records.	

INFORMATION SERVICES - RECORDS CENTRE

Updating service for computer tape: (Includes updated replacement copy of each file).

Annual subscription issued:

- Monthly	$ 3000.00/yr
- Quarterly	1500.00/yr
- Semi-Annually	1200.00/yr
- Annually	1000.00/yr

Pool production - request by field and pool.

Individual pool production 1962 to date:	$ 3.00/pool
Plus copies (paper only):	.30/pg

Complete set 1962 to date is available only on diazo (ERCB ST 85-16). Annual subscription issued quarterly — $ 180.00

Each additional subscription	$ 120.00
Year-end only	120.00

Computer Tape - Alberta Pool Production and Injection Well Count — $ 100.00/copy

Well counts semi-annually by pool and type of well capable and operating wells. See Alberta Pool Production and Injection, Monthly Supplement, ERCB ST 85-16A.

Computer Tape - Historical Pool Production - Injection File — $ 2000.00

Monthly totals and cumulative data for all producing and injecting pools since 1962.

Subscriptions for update service are available as follows:

- Monthly	$ 1200.00/yr
- Quarterly	400.00/yr
- Semi-Annually	200.00/yr
- Annually	100.00/yr

See Alberta Pool Production and Injection Record, ERCB ST 85-16.

Project Progress Reports

Enhanced Oil Recovery - request by field, pool, project number and operator (not filed by unit number).

Reports submitted by operators of enhanced recovery schemes.

Individual projects:	$ 3.00/project
Plus copies (paper/diazo):	.30/pg or diazo

Oil Sands Schemes - request by operator and approval number.

Reports submitted by operators of oil sands schemes.

Individual schemes:	$	3.00/scheme
Plus copies (paper only):		.30/pg

Reserves

Request by field and company.

Submissions to the Board on provincial reserves of oil and gas.

Individual submissions:	$	3.00/field
Plus copies (paper only):		.30/pg

Computer Tape - Gas Pool Reserves File $ 700.00/copy

Basic reservoir parameters and total reserves of all non-confidential gas pools in the province; separate records for each pool; approximately 17 000 pools; used primarily for "Established Reserves of Gas and Appropriate Basic Data", published as part of ERCB ST 85-18, "Alberta's Reserves of Crude Oil, Gas, Natural Gas Liquids and Sulphur", and for "Alberta's Reserves of Gas", ERCB ST 85-35; updated file created annually in the second quarter.

Computer Tape - Gas Reserves Code Conversion File (GRSDELETE) $ 200.00/copy

File allows updating of previous year-end field and pool codes to current year-end field and pool codes, old field and pool codes, new field and pool codes; contains approximately 1300 records. See also Gas Pool Reserves File.

Computer Tape - Oil Pool Reserves File $ 300.00/copy

Basic reservoir parameters and total reserves of all significant crude oil pools in the province; records for each oil pool or each mechanism in the pool; approximately 3400 records on one 600-foot tape reel; used in tabulation of "Proved Reserves of Crude Oil and Approximate Basic Data" in ERCB ST 85-18, "Alberta's Reserves of Crude Oil, Gas, Natural Gas Liquids and Sulphur"; updated file created annually in the second quarter.

Unit Agreements

Request by unit name.

Individual unit:	$	3.00/unit
Plus copies (paper only):		.30/pg

CORE RESEARCH CENTRE SERVICES

	Available for conventional wells drilled for oil and gas, for oil sands evaluation wells, and for coal exploration drill holes; order by well location.
Cores Drill Cuttings Tour Reports	Research examination facilities and services are available at the Core Research Centre.
Drill Cuttings Collection Bags	Available for purchase. The subsisting fee schedule is posted in the Core Research Centre and a list of the services available and associated fees is available from the Centre.
Facilities and Services Available at	Core Research Centre 3545 Research Way NW Calgary, Alberta T2L 1Y7 Telephone 284-4561 Open weekdays 8:00 am to 4:00 pm

COMPUTER SERVICES

ERCB COMPUTER SERVICES

Services Offered

The ERCB makes available for sale a selection of computer-processable data files. Updating services for files are available on subscription, as listed. Some programs are also available; two are published in this edition. For other programs available, contact the Board's Data Processing Department.

Retrieval and Format

Data retrieval for selected files is available to purchasers on a limited-record, field-pool, or geographical-area basis. Format of data records is limited to that already established, as indicated in File Descriptions.

Rights

- The ERCB retains the proprietary rights on all data sold.
- Purchasers of ERCB data files are permitted to use the files to select and process data for internal or client use and to release copies of small portions of the files on computer media, that result from specialized retrievals, to their clients.
- Arrangements may be made to obtain an initial copy and/or an update service for a full ERCB file or a substantial portion of an ERCB file from another purchaser, provided an authorization is received from the ERCB prior to the data transfer. The subsequent purchaser must apply to the ERCB for the authorization and must name the supplier in the application. The ERCB fee for granting the authorization will be based on a 25% discount on the current rate for the file that may be obtained directly from the ERCB.

Confidentiality

All files and programs for sale are processed to delete confidential data. As the data is released from confidential status, it is made available to purchasers of the update services.

Disclaimer

- The ERCB makes no representation, warranties or guarantees, expressed or implied, for the fitness of the data files with respect to intended use.
- The ERCB accepts no responsibility whatsoever for any inaccuracy, errors, or omissions in the data files.
- The ERCB shall not be responsible for any costs incurred by a company for the conversion, installation, or improvement of the data files.
- The ERCB does not guarantee the continuing availability of any data or the consistency of the transfer record format.

ERCB COMPUTER SERVICES

Terms of Payment	Customers with established accounts: authorized purchase order with current ERCB Account number should accompany order; payment due within 30 days of invoice date. Customers without established accounts: full payment in the form of a cheque or bank draft payable to the Energy Resources Conservation Board should accompany the order. Customers without established accounts may apply for an account through the ERCB Financial Accounting Department. In certain cases, such as the purchase of the larger data files, the terms may be negotiable.
Transferral	Data available on magnetic tape; magnetic tape reels are provided by the ERCB and must be returned promptly after processing; standard format is as illustrated in file description; conversion to other than standard format is the responsibility of the purchaser.
Tape File Specifications	- 9-track EBCDIC code - 1600 or 6250 bytes per inch - labelled with IBM standard labels - blocking factor and logical record lengths vary with each file
Documentation	Supplied with purchase; includes detailed description of record layout and data mode; if file is complex, may also include description of source data, limitations, editing during file creation and maintenance, and other appropriate documentation.
File Formats	Detailed file formats are available from: Maps and Publications Energy Resources Conservation Board 640 5 Avenue SW Calgary, Alberta T2P 3G4 Telephone 297-8328
Credit for Data Received from Industry	The Board encourages exchange of data with industry on computer-processable media, especially for large volumes of data. The procedure is described in "Industry, Board and Energy and Natural Resources Data Exchange, Province of Alberta", available from the Board's Calgary office or the Department of Energy and Natural Resources, Edmonton; includes details on record formats, data content, and credits for data supplied.

ERCB COMPUTER SERVICES

Contacts

For information on files, programs, policy, or to discuss a potential purchase, please contact:

Ken Pippard
Supervisor
Information Services
Telephone 297-6506

Energy Resources Conservation Board
640 5 Avenue SW
Calgary, Alberta
T2P 3G4

For requests to purchase files:

Brenda Benson
Information Services
Telephone 297-3489

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COMPUTER FILES

LANDS UNDER CONTRACT FILE

File Description	A quarter section breakdown of the lands and specific zones under contract to individual purchasers, contract percentages, locations, designated zones or reserve types; contains some 150 000 card-image records.	
Initial Purchase		2500.00
Update Service		250.00

GAS ENERGY DATA SYSTEM (GEDS) DATA BASE FILE

File Description	GEMM Model compatible data base contains information on approximately 1100 fields and some 17 000 non-confidential pools. Information includes fields data, pool description, reserve location, basic reserve data, contract information, plant data, gas analyses, deliverability test data, number of wells by pool, historical production figures, and pertinent comments. Contains some 140 000 card-image records.	
Initial Purchase		$30 000.00
Annual Update	Per copy	10 000.00

POOL TO PLANT POINTER FILE

File Description	Percentage of pool production flowing to a plant, plant code, reserve type, field code, pool code and pool sequence; contains approximately 19 000 card-image records.	
Initial Purchase		$ 2500.00
Update Service		250.00

GAS PURCHASERS FILE

File Description	The percentage reserve ownership of buyers on a pool by pool basis, reserve type, field code, pool code, sequence code, and buyer code; contains approximately 18 000 card-image records.	
Initial Purchase		$ 2500.00
Update Service		250.00

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2 Refers to all non-renewable resources and electric energy resources under the jurisdiction of the ERCB.

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